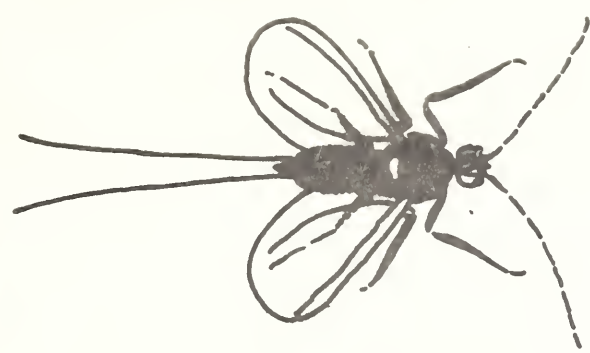


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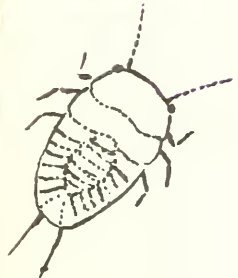
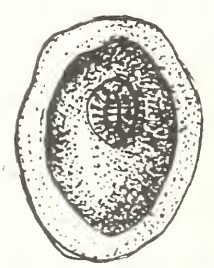
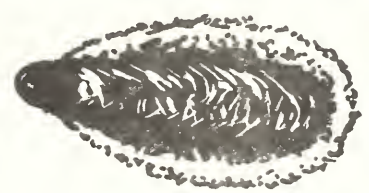
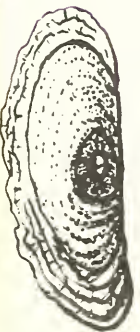
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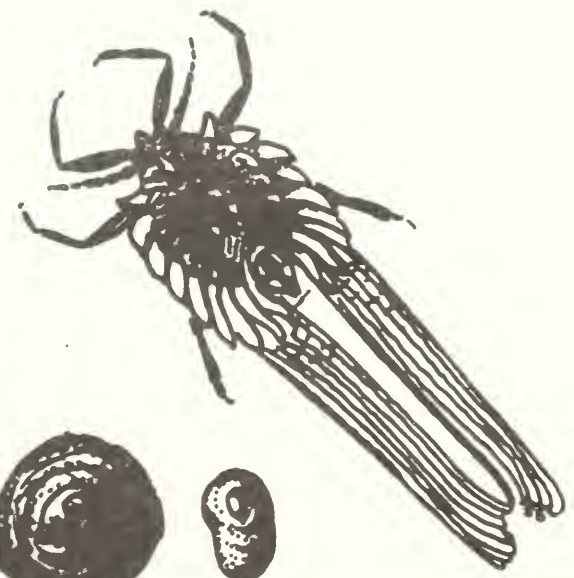
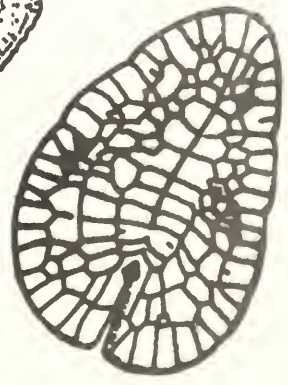
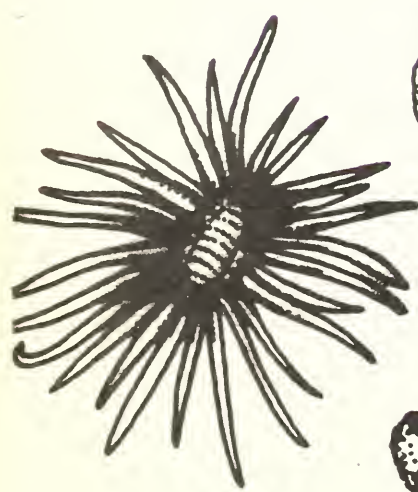
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COCCIDOLOGIST'S NEWSLETTER

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EDITOR : DOUGLASS R. MILLER
ARS , SYSTEMATIC ENT. LAB.
AGRIC. RESEARCH CENTER (W)
BELTSVILLE, MARYLAND 20705



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²⁰⁰⁷
A List of Coccoidean Species Deposited

in the United States National Museum

(Natural History), Beltsville, Maryland

-Part I - The Diaspididae

by M. B. ²⁵Stoetzel, S. ²⁵Nakahara, D. R. Miller,

K. J. ²⁵DeBold, J. F. ²⁵Miller

For the past year much effort has been directed toward a compilation of a list of the Coccoidean species deposited in the U.S. National Museum. Part I - The Diaspididae - is the first section to be completed. Our purpose is to give Coccoidean systematists a general idea of the material in the collection. Because all scale-insect workers benefit from this kind of information, it is hoped that others will compile similar lists of their collections for inclusion in future newsletters.

The USNM Coccoidean collection includes an extensive library, a series of card catalogues containing approximately 600,000 entries, an extensive dry collection, and a large slide collection. Some of the more important collections deposited in part in the USNM are those of Brain, Cockerell, Comstock, Ehrhorn, and Maskell. Over the years this collection has been under the auspices of several specialists; those who have contributed most to its development are C. L. Marlatt, Harold Morrison, and Louise M. Russell.

Part I - The Diaspididae - lists 1,391 species name entries (including genus spp.), 62,336 slides, and 16,243 boxes of dry material. Little effort has been made to correct misidentifications, incorrect generic assignments, and improper type designations. Such corrections should be made when the various species are studied carefully.

The format for the list is as follows: (1) The number on the left refers to the total number of boxes of dry material; the number in parentheses is the number of boxes of that total that are given some sort of type designation; the letter(s) is an abbreviation of the type designation as it is written on the box (the abbreviations are the same as in (3)). (2) This section includes the specific epithet, the author's name, and the generic name where it is filed in the collection. If type material of a junior synonym is deposited in the collection, the junior synonym is listed followed by an equals sign and the name of synonym in parentheses. Otherwise all junior synonyms are not indicated. (3) The numbers on the right refer to the total number of

slides; the number in parentheses is the number of slides of that total that have some sort of type designation; the letter(s) is an abbreviation of the type designation as it is written on the slide.

The type abbreviations are as follows:

a = allotype	p = paratype
c = cotype	pl = paralectotype
h = holotype	pt of t = part of type
hm = homotype	s = syntype
L = lectotype	t = type
lp = lectoparatype = paralectotype	tm = type material
m = metatype	to = topotype

When a zero is given, it means that there is a place in the collection for that species, but no slides are filed there. (4) The abbreviations after the parentheses indicate whether specimens other than adult females are present on slides. We have been unable to examine all 62,336 slides and therefore this section is not always complete, but it does give an indication of the kinds of material present. Abbreviations in this section are as follows:

am = adult male
c = crawler
i = immature
pm = pupal male
ppm = prepupal male
ss = second stage

Diaspididae Collection

<u>Dry (Boxes)</u>	<u>-A-</u>	<u>Slides</u>
	abditata Munting, Artemisaspidis	2(1p, 1tm)
	Abgrallaspidis spp.	164
	abieticola (Koroneos), Nuculaspidis	2(1to)
26(1t)	abietis (Comstock), Gonaspidiotus	12(7t, 5to) ss, am
	abietis (Schrank), Nuculaspidis	64
	acaciae (Maskell), Coccoomytilus	30
3	acaciae Froggatt, Gymnaspidis	9(6c)
	acaciae Munting, Morganella	4(1p)
3	acaciae (Morgan), Neomorgania	0
11(1t)	acaciae (Maskell), Trulliflorinia	22, am
	acalcarata McKenzie, Parlatoria	2(2p)
	acalyptus Ferris, Thysanaspidis	1(1tm)
	Acanthomytilus spp.	5
	acephala Ferris, Pseudischnaspidis	6(1t)
4	acericola Hollinger, Chionaspidis	8
	actinodaphnes Takagi, Megacanthaspidis	9(9tm)
1	aculeata Ferris, Dinaspis	35
	acuminata Munting, Relhaniaspidis	1(1p)
10(1t)	acuminata (Green), Unaspis	15(2tm)
	acuta (Ferris), Dactylaspidis	3(1p, 1tm)
	Acutaspidis spp.	445
30	aechmeae Newstead, Gymnaspidis	92
	aegilopos (Koroneos), Koroneaspidis	2(1to)
	aei Takagi, Unaspis	2(2tm)
1(1t)	aelaeodendri Grandpre et Charmoy, Florinia	3(2c, 1tm)
	aequalis Munting, Diaspidis	3(2p, 1tm)
42	aesculi (Johnson), Diaspidiotus	72(8t, 2c) ss, am
3(1t, 1c)	affinis Newstead, Parlatoria (= P. oleae)	2(2c)
	africana Munting, Duplachionaspidis	1(1p)
	africana (Newstead), Salicicola	7, i, ss
	africana (Newstead), Varicaspidis	1
12(1t, 8c)	africanus (Marlatt), Diaspidiotus	51(3t, 20c, 4tm)
	Africaspidis spp.	2
	agathosmae Munting, Versiculaspidis	3(3p)
	agavis (Townsend & Cockerell), Acutaspidis	53(5t, 1c)
1	agrifoliae Essig, Protodiaspidis	11
	aharonii Bodenheimer, Aspidiotus	1
6	alata (Froggatt), Neoleonardia	3
2(1t)	alba (Froggatt), Triaspidis	3
	albizziae (Green), Pinnaspidis	7, ss
	albopicta (Cockerell), Acutaspidis	126(5t, 3c, 2tm)
	albopictus var. leonis Townsend + Cockerell, Aspidiotus (= A. albopicta)	6(5t, 1c)
2(1t)	albopunctatus Cockerell, Aspidiotus	1(1c)
	albus (Cockerell), Aonidomytilus	70(2t), i
	albus McKenzie, Selenaspidus	40(1t, 18p, 2tm)
	aldabraca (Green + Laing), Duplaspidiotus	1
	aliena (Newstead), Melanaspidis	17
	alisiana Takagi, Aulacaspidis	5
1(1t)	alluaudi (Grandpre et Charmoy), Emmereziaspidis	2(2c)

9	alnus Kuwana, Chionaspis	16(1c, 3to)
	ambigua (Brain), Andaspis	1(1t)
111(1t, 1c)	americana Johnson, Chionaspis	169(17t, 2c), am
	ampelodesmae (Newstead), Evallaspis	2
	anacantha DeLotto, Rolaspis	1(1p)
	anareolae Ben-Dov, Pseudotargionia	2(2p)
	anasterias (Ferris), Mytilaspis	6
266	ancylus (Putnam), Diaspidiotus	705(4t, 2c, 1to)am
	ancylus v. latilobis Newell, Aspidiotus (= D. ancylus)	3(1t, 2c)
1(lpt. of t)	andamanensis Green, Neofurcaspis	3(3pt. of t)i
	And aspis spp.	29
1(1t)	andromelas Cockerell, Aspidiotus	1(1c)
	angularis Munting, Tecaspis	2(1p, 1tm)
4(1t)	angusta (Green), Phenacaspis	2
1	annandalei (Green), Kuwanaspis	1
	anneckeii Munting, Magnospinus	1(1p)
	Annulaspis spp.	4
	anomala (Green), Ancepaspis	28(24tm)i,c
1(pt. of t)	ansei (Green), Chrysomphalus	3(1tm)
	antiquorum Green, Diaspis	2(2tm)
	antsingyi Mamet, Selenaspidus	1(1p)
	Aonidia spp.	78
	Aonidiella spp.	109
1	aonidiiformis Green, Parlatoria	4
1	aonidioides Lindinger, Cryptaspidiotus	3
	Aonidomytilus spp.	35
480	aonidum (L.), Chrysomphalus	1,487 am
	apacheca Ferris, Nuculaspis	3
	apicalis Takagi, Smilacicola	1(1tm)
	apicata (Newstead), Mycetaspis	4(1to)
	araucariae Beardsley, Lepidosaphes	1(1p)
	araucariae Adachi + Fullaway, Octaspidiotus	2
	archangelskyae (Lindinger), Suturaspis	4
2	arctostaphyli (Cockerell + Robbins), Aspidaspis	7
	arcuata Munting, Rungaspis	2(1p, 1tm)
	arengae Takagi, Parlatoria	2
	argentata (Cockerell), Niveaspis	24(15t)
3	argentosis Brittin, Poliaspis	3
	arii (Kuwana), Acanthomytilus	7(4c)
	arisonicus (Cockerell), Rugaspidiotus	5(2pt. of tm)
	armenicus (Borchsenius), Quadraspidiotus	2
	armigera Ferris, Nigrdiaspis	2(2p)
	arnaldoi (Costa Lima), Melanaspis	1(1p)
384	articulatus (Morgan), Selenaspidus	1,489 (1tm) ss, am
1(pt. of t)	artocarpi Green, Parlatoria	2(1pt. of t, 1c)
1(1c)	artocarpi (Green), Semelaspidus	6(4c) ss
	artus Munting, Aspidiotus	1(1p)
	arundinariae (Green), Greenaspis	5
	arundinariae Tippins + Howell, Geodiaspis	6(1h, 5p)
1	asiatica (Archangelskaya), Tecaspis	6
	Aspidaspis spp.	10
	Aspidiotini undetermined	107
	Aspidiotus spp.	3
249	aspidistrae (Signoret), Pinnaspis	637, am
	assimilis (Maskell), Unaspis	4
	asteliae (Green), Andaspis	1(1pt. of t)
	asymetrica (Ferris), Haliaspis	3(1tm)

1	atlantica (Ferris), Cupressaspis	4(1tm)
1(1t)	atomariae Hall, Aonidiella	3(1tm)
	atricolor (Green), Unaspis	2
	atripileus Munting, Aspidiotus	1(1p)
	atriplicis (Ferris), Situlaspis	2
11(1c)	aucubae Cooley, Chionaspis (= Pseudaulacaspis cockerelli)	3(3c)
	Aulacaspis spp.	155
	auranticolor (Cockerell), Pseudaulacaspis	5(2pt. of t, 3c)
283	aurantii (Maskell), Aonidiella	1,720 i,am
1(1c)	auratilis (Newstead), Dentachionaspis	1(1c)
	australiensis (Kuwana), Octaspidiotus	12
	australis Hempel, Diaspis	4(1t, 3tm)
	australis Borchsenius, Lepidosaphes	15
	austroafricanus Lindinger, Cryptaspidiotus	1

-B-

	baccharidis (Townsend + Cockerell), Epidiaspis	3(3t)
	badia Brain, Aonidia	5(1t, 3p)
	bahamensis Ferris, Pseudodiaspis	1
	baiati Kaussari, Quadraspidiotus	1
1	baikeae (Newstead), Pseudaonidia	3
	balachowskyi Kaussari, Schizotargionia	1
2	balteata Hall, Osiraspis	10
10	bambusae (Maskell), Ischnafiorinia	20,ss
	bambusae (Cockerell), Unachionaspis	12(1c)
3(2t)	bambusarum (Cockerell), Froggattiella	11(4t)
	bambusicola (Cockerell), Kuwanaspis	7(2t, 2tm)
1	bambusicola (Takahashi), Mixaspis	1
1	bambusifoliae (Takahashi), Greenaspis	1
	banksiae Fuller, Aonidia	22(5t), i,c,am
2	banksiae (Maskell), Parlatoria	21
	barbata Ferris, Palinaspis	1
	barberi (Green), Pseudaulacaspis	2(1t)
	barbigera Ferris, Clavaspis	1
1	barbusano (Lindinger), Cryptaspidiotus	2
	barrancorum Lindinger, Diaspis	2
1	bavaricus (Lindinger), Quadraspidiotus	2
937	beckii (Newman), Cornuaspis	729
	belutchistana (Balachowsky), Mytilaspis	1
	bennetti Williams, Parlagena	10
1	berlesii (Leonardi), Duplachionaspis	1
1	berliniae (Hall), Africaspis	1
	betulae Tippins + Beshear, Chionaspis	3(3p)
2	beyeriae (Green), Maskellana	4
	bibursa Ferris, Circulaspis	2
	bibursella Ferris, Circulaspis	1
150	biclavis (Comstock), Howardia	328(9t),ss,am
1	bicornis (Green + Lidgett), Triaspidis	7
3	bicuspis (Hall), Nilotaspis	3(1tm)
1	bidens Green, Fiorinia	5,1
8	bifasciculatus Ferris, Chrysomphalus	74
60	biformis (Cockerell), Furcaspis	537(3c),i,ss,pp,p,am
1(1t)	bigeloviae (Cockerell), Targaspidiotus	19(7t)
	biloba (Maskell), Chortinaspis	4
	biloba (Ferris), Dactylaspis	2
2	bilobis (Newstead), Contigaspis	2

1(lc)	bladhiae (Takahashi), Parainsulaspis	93
57	blanchardi (Targioni-Tozzetti), Parlatoria	146, am
	boehmeriae Takahashi, Pinnaaspis	1
148	boisduvalii Signoret, Diaspis	1, 017 am
	boquetensis Ferris, Duplachionaspis	1
2(lc)	bormmuelleri Rubsaamen, Cryptophyllaspis	7
	bossiae (Maskell), Remotaspidiotus	10, i
64	bowreyi (Cockerell), Pseudischinaspis	154(5t, 2tm, 1tm) am
	boycei McKenzie, Parlatoria	1(1t)
2(1t)	brachystegiae (Hall), Aonidomytilus	3(2t, 1c)
	brasiliensis Hempel, Canceraspis	1
	brevipora Munting, Duplachionaspis	1(1p)
1	brideliae (Takahashi), Phenacaspis	1
	brimblecombei Williams, Pseudaulacaspis	1(1p)
54	britannicus (Newstead), Dynaspidiotus	97(2t, 4c) i, ss
1	brittini Green, Leucaspis	1
67	bromeliae (Kerner), Diaspis	241, i, am
	bromeliae Hempel, Furcaspis	1
74	bromeliae (Leonardi), Melanaspis	405
	bruni Balachowsky, Aonidiella	1(1p)
	bulba Munting, Andaspis	2(2p)
2(1t)	bullata (Green), Bigymnaspis	2
	bumeliae Ferris, Diaspidiotus	5(1tm)
	bumeliae Ferris, Nicholiella	3(2tm)
2(1t, 1c)	bupleuri (Marchal), Getulaspis	3(1c, 1tm)
119	buxi (Bouche), Pinnaaspis	424, am

-C-

	cacti Comstock, Diaspis (= D. echinocacti)	5(5t)
55	cacti var. opuntiae Cockerell, Diaspis (= D. echinocacti)	2(2pt. of t)
	caffra (Brain), Africaspis	3(1t)
	calcarata (Ferris), Dactylaspis	2(2p)
21(1c)	californica (Coleman), Nuculaspis	165(4c), i, ss, am
4(1t)	calura (Cockerell), Melanaspis	11(3tm)
70	camelliae (Hoke), Insulaspis	217(1p)
85	camelliae Comstock, Parlatoria	308(2t), am
5(2c)	canaliculata (Green), Circulaspis	10(3c, 2tm,) i, ss
1	canariensis (Lindinger), Rhizaspidiotus	1
1(1t)	candida (Green), Phenacaspis	2(1t, 1tm)
	candidula (Cockerell), Hemiberlesia	5(2t, 1c)
1	capensis Newstead, Aspidiotus	1
1	capensis (Walker), Separaspis	5
	capparisi (Brain), Dentachionaspis	6(1t, 2p, 3tm)
2	caricis Ferris, Pinnaaspis	13(2tm)
2(2t)	carinata (Cockerell), Opuntiaspis	29(5tm)
1	carissae Hall, Diaspis	1(1c)
1(1t)	carissae (Cockerell), Rolaspis	7(2t)
	carolinensis Beardsley, Lepidosaphes	1(1p)
139	carueli (Targioni-Tozzetti), Carulaspis (= C. juniperi)	0
4(1c)	caryae Cooley, Chionaspis	16(12c)
	caryae Kosztarab, Diaspidiotus	1(1h)
	casuarinae (Maskell), Anamefiorinia	8, i
2(1t)	casuarinae (Maskell), Lepidosaphes	10(1t)
	casuarinae (Maskell), Pseudaonidia	13
	cattleyae (Cockerell), Diaspis	10(2t)
	cattleyae Lepage, Niveaspis	5
	cauae Balachowsky, Pseudoparlatoria	2

2	ceanothi (Ferris), Aonidomytilus	18
	ceardi (Balachowsky), Saharaspis	9 ,i,pm
1	ceconii (Leonardi), Quadraspidiotus	6 ,i,ss
	celastri (Maskell), Selenaspis	8
	celtidis Cockerell, Diaspis (= Situlaspis yuccae)	3(3t)
	celtis Kuwana, Lepidosaphes	3
1(lc)	celtis (Kuwana), Phenacaspis	4(3c)
2	cerata (Maskell), Monaonidiella	11,ss
2(lc)	ceratoniae Gennadios, Mytilaspis (= L. ulmi)	0
	ceratoniae (Marchal), Voraspis	2(lc)
	chaetachmae (Brain), Rolaspis	4(lt)
	chaetachmeae Brain, Aonidia	3(3t)
	charmoyi Brain, Furcaspis	9,am
1	chenopodii (Marlatt), Remotaspidiotus	6(4t, 2tm)
	chilensis Cockerell, Diaspis	22(3t, 1c),ss
	chilopsidis Marlatt, Mytilaspis (= Velataspis mimosarum)	4(4t)
	chinensis Kuwana et Muramatsu, Aspidiotus	2
2	chinensis (Chamberlin), Cornuaspis	16,am
32(lpt & t, lm)	chinensis (Marlatt), Parlatoresopsis	110(2t, 4c)i,ss,am
	chinensis (Cockerell), Phenacaspis	12(lt, 2tm)
4	chionaspiformis (Newstead), Africaspis	14
	Chionaspis spp.	397
	chiriquiensis Ferris, Dinaspis	1
	chortina (Ferris), Chortinaspis	2(lp, 1tm)
	Chortinaspis spp.	5
	Chrysomphalus spp.	140
	chui Takagi, Acanthomytilus	6(6tm)
	cinchonae McKenzie, Protodiaspis	6(lt, lp, 2to)i
37	cinerea Hadden, Parlatoria	277(5t, 1tm)
	cingala Green, Parlatoria	2
1	cingulata (Froggatt), Pseudaonidia	3
	cinnamoni Rutherford, Parlatoria	1
	cinnamoni var. mangiferae Newstead, Aulcaspis (= A. tubercularis)	1(1tm)
	circularis Fitch, Aspidiotus	1(lt)
	circularis Munting, Duplachionaspis	1(lp)
	circulata Green, Diaspis (= Hemiberlesia rapax)	1(lt)
158(lt)	citri Comstock, Chionaspis (= Unaspis citri)	0
1	citri McKenzie, Parlatoria	36
158(lt)	citri (Comstock), Unaspis	440(3t, 1c)
25(2t)	citrina (Coquillett), Aonidiella	171(4t)i,am
6(lt)	cladii (Maskell), Paraonidiella	22,i
	Clavaspidiotus spp.	9
	Clavaspis spp.	23
25(lc)	claviger (Cockerell), Duplaspidiotus	67(3t)i
3	coccois Lichtenstein, Diaspis	38
	coccolobae Ferris, Melanaspis	170
	Coccomytilus spp.	19
1	cocculi (Green), Parainsulaspis	3,i
21	cockerelli (Grandpre + Charmoy), Lopholeucaspis	121,i
9(lm)	cockerelli (Cooley), Pseudaulacaspis	222(2m)
	cocotiphagus Marlatt, Aspidiotus (Aonidiella) (= A. orientalis)	2(2t)
	cocotis Newstead, Aspidiotus (= A. destructor)	1(lc)
	coimbatorensis Borchsenius + Williams, Contigaspis	3,am

4(1t)	colimae Ferris, Protodiaspis	1(1tm)
1	colorata (Cockerell), Abgrallaspis	18(4t, 3c, 3to) i
	comata (Maskell), Pseudotargionia	11
	combreti (Hall), Gadaspis	1
	commiphorae Ben-Dov, Africaspis	2(2p)
13	communis (Hall), Africaspis	7
	comperei McKenzie, Aonidiella	80(1h, 1p) am
	comperei Marlatt, Aspidiotus	10(7t, 1c)
22(20c)	comstocki (Johnson), Gonaspidiotus	41(7t, 7c) ss, am
	Comstockiella spp.	2
7	conchiformioides (Borchsenius), Mytilaspis	56
81	conchiformis (Gmelin), Mytilaspis	321
7	concinnum Cockerell, Xanthophthalma	29i
6	concolor (Cockerell), Aonidomytilus	22(1t)
7(2t)	coniferarum (Cockerell), Diaspidiotus	17(1t, 2c) i, am
	conocarpi McKenzie, Diaspis	3(2p, 1tm)
	consolidata Ferris, Chortinaspis	4(1tm)
	conspicua (Brain), Morganella	10(1t, 7p) ss
	convexa (Maskell), Coccoomytilus	6
	convexus Comstock, Aspidiotus (= Diaspidiotus ancylus)	3(3t)
	coralinus (Froggatt), Remotaspidiotus	2
	cordiae Rubsaamen, Diaspis	2(2c)
4(1t)	cordylinidis (Maskell), Fusilaspis	17
	cordylinidis Maskell, Leucaspis	28(4t)
34(2c)	corni Cooley, Chionaspis	38(4c)
	corni (Takahashi), Insulaspis	1
8(1t)	cornigera (Green), Greeniella	14(2t) ss
	cornigera Ferris, Velataspis	2
	cornutus Ramakrishna, Lepidosaphes	4
3	corokiae (Maskell), Aspidioides	9(2c)
	corporifusca Molinari, Abgrallaspis	5
3	corticispini (Lindinger), Unaspidiotus	5, ss
	corticoides (Green), Octaspidiotus	1
2	corticiosa (Brain), Melanaspis	3(1t, 1p)
	coryphae Cockerell + Robinson, Aspidiotus	10(3t) i
	Costalimaspis spp.	3
15(1t)	coursetiae (Marlatt), Clavaspis	31(3t) ss
1	covilleae (Ferris), Clavaspis	11
5(2t)	crawii (Cockerell), Andaspis	22(1t, 6c) am
7(1t, 1c)	crawii (Cockerell), Aulacaspis	15(5t, 1c, 1tm)
	Crenulaspidiotus spp.	94
3(2t)	crenulata Green, Aonidia	4
	crescentiae Ferris, Diaspidiotus	2(1tm)
3	crinita Laing, Operculaspis	8(2s, 3tm)
6(1t)	crotonis (Cockerell), Dactylaspis	15(7t)
51(1t)	crotonis Douglas, Parlatoria	173
	crypta McKenzie, Parlatoria	15(1t, 5p)
	Cryptaspidiotus spp.	2
	Crypthemichionaspis spp.	1
	Cryptodiaspis spp.	1
	cryptoloba Munting, Duplachionaspis	1(1p)
16(1c)	cryptomeriae Kuwana, Aspidiotus	53(4c)
	Cryptoparlatorea spp.	7
	Cryptophallaspis spp.	2
9(1c)	cryptoxanthus (Cockerell), Quadraspidiotus	20(3t, 1c)
	crystallinus Ferris, Diaspidiotus	3(1tm)
1	cuculus (Green), Gomphaspidiotus	2
8(1t)	cueroensis (Cockerell), Morganella	22(3c, 1pt of t)

	cuneatus Vernalha, Diaspis	1
2(2t)	cupressi (Cockerell), Hemiberlesia	6(5t)
3	cupressi (Coleman), Lineaspis	10(2t) i, ss, am
	cupressi Ferris, Parlatoria	2(1tm)
2	curculiginis (Green), Stringaspidiotus	15 i, ss
4(1c)	cyanogena (Cockerell), Contigaspis	8(1 pt. of t)
117	cyanophylli (Signoret), Abgrallaspis	716, i, am
	cycadicola Kuwana, Lepidosaphes	2
5(3t)	cycadis Comstock, Poliaspis	25(7t) i, ss, am
	cydoniae Comstock, Aspidiotus (= Hemiberlesia lataniae)	12(11t, 1c)

-D-

	dactylifera Ferris, Dactylaspis	2(1tm)
	daleae Ferris, Situlaspis	2
	damara Munting, Pseudotargionia	2(1p, 1tm)
3(1t)	darutyi Charmoy, Aspidiotus (= Pseudaonidia trilobitiformis)	2(2tm)
26(2t)	dearnessi (Cockerell), Rhizaspidiotus	100(4t, 2tm)
	decorosa Ferris, Acutaspis	5(1tm)
	decurvata (Green), Greenaspis	1
	defecta (Maskell), Lepidosaphes	6
	defectopalus Ferris, Mycetaspis	8
7	degeneratus (Leonardi), Dynaspidiotus	65(1to)
4	delicata Ferris, Melanaspis	8
1	dendrobii Kuwana, Phenacaspis	12
9	densiflorae (Bremner), Aspidaspis	21(2t)
	dentata Borchsenius, Aspidiella	1
	dentata Ferris, Clavaspis	1(1tm)
	dentata Munting, Collubia	1(1p)
14	dentata (Hoke), Velataspis	28(1p)
	dentiloba Kaussari + Balachowsky, Aspidaspis	1
7(2t, 2c)	dentiloba (Cockerell), Ferrisidea	25(6c)
1	dentilobis (Newstead), Inchoaspis	2
4	depressa (Zehntner), Aulacaspis	6
	desolator McKenzie, Parlatoria	6(1p)
312	destructor Signoret, Aspidiotus	788, am
	Diaphoraspis sp.	1
	Diaspidinae spp.	394
	Diaspidiotus spp.	192
	Diaspis spp.	1,179
396	dictyospermi (Morgan), Chrysomphalus	2,067, ss
	dictyospermi var. jamaicensis Cockerell, Aspidiotus (= C. dictyospermi)	1(1t)
	dictyospermi var. mangiferae Cockerell, Chrysomphalus (= C. dictyospermi)	6(6t)
	didymus McKenzie + Nelson-Rees, Protodiaspis	2
	difficilis (Cockerell), Aulacaspis	11
64	diffinis (Newstead), Hemiberlesia	128(7c)
	diffinis var. lateralis Cockerell, Aspidiotus (= Hemiberlesia lataniae)	2(1t, 1pt. of tm)
	digitata Ferris, Nicholiella	2(2tm) i
	dignus Hoke, Diaspis	1
12(2t)	dilatata Green, Chionaspis (= Pseudaulacaspis cockerelli)	6(3t, 3tm)
	Dinaspis spp.	9

1	diosmae (Brain), Versiculaspis	5(1t, 2p)
	diospyri Ferris, Diaspis	1(1p)
	disclusa Ferris, Clavaspis	1(1tm)
	displicata Munting, Duplachionaspis	1(1p)
1	distichlii (Ferris), Haliaspis	3(1p)
	distincta (Leonardi), Ledaspis	4
	distinctissima (Newstead), Fiorinia	3
	distylii (Takahashi), Aulacaspis	1
	divaricata Ferris, Chortinaspis	2
	divergens Takahashi, Aulacaspis	1
	divergens (Green), Greenaspis	3
	diversa Ferris, Praecocaspis	3(1p, 1tm)
2	diversicolor (Green), Chrysomphalus	41
5(1c)	donacis (Leonardi), Rhizaspidiotus	7(1tm)
	dracaenae (Cooley), Pinnaaspis	6(4c)
	dryandrae Fuller, Parlatoria (= P. pittospori)	1(1t)
	dryandrae (Fuller), Pseudaonidia	3(3t)
3	dubia (Maskell), Phenacaspis	10
86	duplex (Cockerell), Pseudaonidia	581(1t) i,ss
2(1 pt. of t)	duponti (Green), Insulaspis	3(1 pt. of t)
	dura (Ferris), Dactylaspis	1
2(1c)	dura (Newstead), Ledaspis	2(1c)
	durapyga Ferris, Pelliculaspis	1(1tm)
	Dynaspidiotus spp.	7
	dysoxyli Maskell, Aspidiotus	1
4	dysoxyli (Maskell), Phenacaspis	12,i

-E-

2	echinata Green, Aonidia	4,i
	echinata Munting, Eucleaspis	2(2p)
121	echinocacti (Bouche), Diaspis	7051,ss,an
	edentata (Ferris), Ancepcaspis	14(1tm)
	eglandulosus (Lindinger), Melanaspis	5
4(1c)	ehretiae (Brain), Diclavaspis	3(1t, 2p)
	ehrhorni (Coleman), Diaspidiotus	11(2c)
	ekebergiae (Brain), Rolaspis	3(1t, 2p)
	elaeagna Maskell, Aonidia	4, i
	elaeagni (Borchsenius), Diaspidiotus	2
	elaeagni McKenzie, Melanaspis	25(1h, 2p)
	elaeagni (Green), Phenacaspis	3(1t)
	elaeidis Marchal, Aspidiotus	2
	elaeidis Munting, Diaspis	2(2p)
	elaphrii Ferris, Pseudodiaspis	2(1p, 1tm)
35	elongata (Green), Cryptophyllaspis	1(1tm)
	elongata (Green), Greenaspis	61(1tm)
	elongata (Takahashi), Kuwanaspis	1
	elongata Ferris, Pseudoparlatoria	2(1tm)
	emoryi Ferris, Protodiaspis	1(1tm)
	enceliae Ferris, Exuviaspis	2
	enceliae (Ferris), Melanaspis	2(1p)
1	engeddensis Bodenheimer, Chionaspis	1(1c)
	ensifera McKenzie, Aonidiella	5(1t)
	Entaspidiotus sp.	1

1	ephedrae (Lindinger), Archangelskaia	3
	ephedrae Ferris, Pallulaspis	1(ltm)
	ephedrarum (Lindinger), Ephedraspis	2
	Epidiaspis spp.	12
	epigaeae Marlatt, Aspidiotus (Hemiberlesia) (= G. howardi)	3(3t)
	equipora Munting, Lindingaspidis	2(lp, ltm)
	eremocitri McKenzie, Aonidiella	9(lh, lp)
	ericacearum Takagi, Aulacaspidis	3
	ericicola (Marchal), Adiscodiaspidis	2
	eritrea Mamet, Selenaspidus	1(lp)
	eritreana Williams, Duplachionaspis	1
	erocea DeLotto, Lindingaspidis	1(lp)
	erythraspidis (Newstead) , Acutaspidis	5
2	esakii (Takahashi), Parainsulaspidis	80
2	espinosai Porter, Lepidosaphes	7
	ethelae (Fuller), Phenacaspidis	2(lt)
15	etrusca Leonardi, Chionaspis	75, ss
2	eucalypti (Froggatt), Lepidosaphes	2
5(lt)	eucalypti (Maskell), Neomorgania	20(lt)
	eucalypti (Froggatt), Phenacaspidis	14
	Eudinaspidis sp.	1
1	eugeniae (Hempel), Aonidiella	1
2	eugeniae (Lindinger), Hemigymnaspidis	1
20	eugeniae (Maskell), Phenacaspidis	99, i, ss
187	euonymi (Comstock), Unaspis	437, i, ss
	euphorbiae (Brain), Moraspis	4(lt)
	euphorbiae (Newstead), Selenaspidus	6(5t)
	euphorbiarum Borchsenius + Williams, Contigaspidis	2
	euryae (Kuwana), Parainsulaspidis	5
1	euryae (Takahashi), Selenomphalus	6
	eurylobus Munting, Selenaspidus	1(lh)
	euryopis Williams, Rolaspis	1(lp)
8(lt)	exalbida (Cockerell), Nelaspis	21(1L, 2pl, 2p, 1lt & 1t)
15	excisus Green, Aspidiotus	55, ss
1	exercitata (Green), Pinnaaspis	5
7	exocarpi Maskell, Poliaspidis	20
1	expansa Maskell, Florinia	13
3(lt)	extensa (Maskell), Neoleonardia	10(ltm) am
13	externa Ferris, Florinia	54, am
-F-		
3(lt)	fabernii Houser, Aspidiotus (= Hemiberlesia diffinis)	9(2t, 7p)
4	fagraeae Green, Aulacaspidis	6(lt)
	fallax Cockerell, Aspidiotus (= Aspidiotus destructor)	5(lt, 4c)
	farsetiae (Hall), Artemisaspidis	1
	faurei (Brain), Faureaspis	9(lt, 4p)
	faurei Hall, Balaspis	1
1	fenestrata Ferris, Niveaspis	0
	fernaldi Cockerell, Aspidiotus (= Quadraspidotus juglansregiae)	5(lt, 4c)
	fernaldi albiventer Hunter, Aspidiotus (= Quadraspidotus juglansregiae)	2(1c, 1to)
	fernaldi v. cockerelli Parrott, Aspidiotus (= Quadraspidotus juglansregiae)	2(2c)
	fernaldi hesperius Cockerell, Aspidiotus (= Quadraspidotus forbesi)	2(lt, 1c)

-G-

	gala Munting, Africaspis	3(3p)
	galliformens (Green), Parachionaspis	3(2pt of t)
	gaultheriae Green, Poliaspis (= P. cycadis)	1(1pt of t)
	geijeriae Froggatt, Fiorinia	2
4	gennadii (Leonardi), Epidiaspis	7
	giffardi (Adachi + Fullaway), Carulaspis	7
4	gigas, (Maskell), Maniaspis	19(1t) i, ss, am
2	gigas, (Thiem + Gerneck), Quadraspidiotus	68
	gilloglyi McKenzie, Diaspis	1(1p)
	glanduliferus Cockerell, Aspidiotus (= Q. juglansregiae)	8(5t, 1c, 2to)
	glandulosa (Newstead), Pseudotargionia	7, ss
1	glaucae (Takahashi), Parainsulaspis	2
	gleditsiae Sanders, Chionaspis	33(3t, 2c)
	gliwicensis Komosinska, Abgrallaspis	9
	globosa Munting, Discodiaspis	2(1p, 1tm)
	globosa Fuller, Maskellia	2(2t)
	globosus (Brain), Dentaspis	3(1t, 2p)
2(1t)	glomerata (Green), Melanaspis	10(1pt of t)
107	gloverii (Packard), Insulaspis	703, am
	gomescostai Lepage + Giannotti, Pseudoparlatoria	1
	gracilis (Balachowsky), Aonidiella	2(1p, 1tm)
	gracilis Ferris, Niveaspis	1(1tm)
5(1t, 1c)	graminella (Cockerell), Chortinaspis	9(2c)
	graminis (Green), Duplachionaspis	10, am
	graminis Ben-Dov, Eremiaspis	2(2p)
2(1t)	graminis Bremner, Odonaspis	3(2t)
1	granati (Koroneas), Mytilaspis	9(1to)
	grandilobis (Maskell), Phenacaspis	14
1	grandis Green, Gymnaspis	7(3t) i, ss
	greeni (Grandpre et Charmoy), Coccoomytilus	2
1(1c)	greeni Brittin, Leucaspis	5(1c) am
	greeni (Brain et Kelly), Lindingaspidis	8
17	greeni Cockerell, Odonaspis	37
2(1t)	greeni Marlatt, Pseudaonidia	4(1tm)
	griqua (Brain), Selenaspidus	5(1t, 2p, 1tm)
	grisea (Maskell), Lepidosaphes	13
1(1s)	gudalura (Green), Aulacaspis	3(3s)
	gutierreziae Cockerell + Parrott, Aspidiotus (Targionia)	
	(= Rhizaspidiotus dearnessi)	3(3c)
	Gymnaspis spp.	66

-H-

2(1t, 1pt of t)	haematochroa Cockerell, Furcaspidis	5(4t)
9	hakeae (Maskell), Phaulaspis	16, am
	Haliaspis spp.	3
38	halli (Green), Nilotaspis	71
	halli DeLotto, Rolaspis	1(1p)
	halli (McKenzie), Varicaspis (= V. africana)	1(1p)
1	haloxyloni Hall, Targionia	1
	harperi McKenzie, Neopinnaspis	7(1t, 1p)
129(3t)	hartii (Cockerell), Gonaspidiotus	341(2t)
2(1t)	hartii v. luntii Cockerell, Aspidiotus (= G. hartii)	4(2t, 2pt of t)
18	hawaiiensis (Maskell), Andaspis	43
1	hedericola Leonardi, Aspidiotus	6(1tm)
	hedyotidis (Green), Phenacaspis	3(2tm)
	Hemiberlesia spp.	84

3	hemichionaspiformis (Green), Hemaspidis	2
	Hemigymnaspidis spp.	1
	herbae (Green), Duplachionaspis	7
27(2t)	herculeana (Doane + Hadden), Clavaspidis	97
	hererina Munting, Diaspidis	1(1p)
	heresiarcha Ferris, Mitraspidis	2(1tm)
35(2c)	heterophyllae Cooley, Chionaspis	76
1(1c)	hibisci (Grandpre et Charmoy), Andaspis	5(4to)
	hikosani (Kuwana), Kuwanaspis	10(1c)
	hisakakii Takahashi, Fiorinia	3(2c)
25(1t, 1c)	howardi (Cockerell), Gonaspidiotus	139(5c) am
	howardi (Cooley), Kuwanaspis	50
	humilis (Brain), Nelaspis	11, i
15(2c)	hunteri (Newell), Diaspidiotus	3(3c)
1	hyperici Ferris, Aonidomytilus	7(1tm) i

-I-

1	ichesii Leonardi, Dinaspis	4
	ignobilis Ferris, Hemiberlesia	2(1p, 1tm)
3	ilicis (Hoke), Niveaspis	4
	ima Scott, Aulacaspis	1
	imbricata (Brain), Dinaspis	6(1t, 2p)
	implicata (Maskell), Hemiberlesia	5, i
	incerta Munting, Augulaspis	1(1p)
	incisa Munting, Rolaspis	3(3p)
	incisus Ferris, Aonidomytilus	1
	incisus Ferris, Duplaspidiotus	2(1tm)
	inclusa Ferris, Vinculaspis	3(3tm)
	indiaeorientalis (Lindinger), Suturaspidis	2
4	inday (Banks), Phenacaspis	10
2(1t)	indentata (Green), Fernaldanna	1
17(1t, 2c)	indica (Marlatt), Radionaspis	21(3t)
	indigoferae (Hall), Contigaspis	53
	indurata (Ferris), Melanaspis	1
	infidelis Ferris, Protodiaspidis	2
6	inopinata (Leonardi), Melanaspis	11
7	inornata McKenzie, Aonidiella	114(2p) i
	insulans Ferris, Aonidomytilus	1
1	intermedia Fuller, Poliaspidis	1
2(1t)	intermedia (Maskell), Scrupulaspis	6(2tm)
2	intermittens (Hall), Acanthomytilus	2
5(2c)	inuitata (Green), Froggattiella	7(3c)
	inuitatus Munting, Quadraspidiotus	1(1p)
5	iodinae Boratynski, Diaspidis	16(12p)i,ss,pm
	iranicus Kaussari + Balachowsky, Diaspidiotus	2
1	isis (Hall), Nilotaspis	3
	isobeae Takagi, Aulacaspis	1
6	itabicola (Kuwana), Microparlatoria	1
	ithacae (Ferris), Gonaspidiotus	20(1to, 1tm) ss
7(1t)	ixorae Cockerell + Robinson, Lepidosaphes	9(1t) am

-J-

1	jaapi (Leonardi), <i>Quadraspidiotus</i>	2
	jamaicensis Davidson, <i>Melanaspis</i>	4(1h, 2p)
17	japonica Kuwana, <i>Fiorinia</i>	31
	japonica (Kuwana), <i>Insulaspis</i>	5
85	japonica (Cockerell), <i>Lopholeucaspis</i>	237, ss, am
	jatrophae Townsend + Cockerell, <i>Aspidiotus</i> (= <i>H. diffinis</i>)	3(3t)
2(1t)	jatrophae var. parrotti Newell, <i>Aspidiotus</i> (= <i>H. diffinis</i>)	4(4t)
	javanensis Newstead, <i>Aulacaspis</i>	1(1tm)
3	javanensis (Green), <i>Greeniella</i>	2
	javanensis Green, <i>Opuntiaspis</i>	19(3tm)
1	jordani (Kuwana), <i>Hypaspidiotus</i>	5(2c, 1tm)
	juglansregiae (Comstock), <i>Quadraspidiotus</i>	372(16t, 5c)i, ss, am
	juglansregiae var. albus Cockerell, <i>Aspidiotus</i> (= <i>Q. juglans-</i> <i>sregiae</i>)	5(5t)
	juglansregiae var. pruni Cockerell, <i>Aspidiotus</i> (= <i>Q. juglans-</i> <i>regiae</i>)	3(1t, 2c)
139	juniperi (Bouche), <i>Carulaspis</i>	382
8	juniperi (Borchsenius), <i>Cupressaspis</i>	29
1	juniperi (Lindinger), <i>Insulaspis</i>	2

-K-

	kafcae (Cockerell), <i>Quadraspidiotus</i>	4(3c, 1tm)
	kalaharica Munting, <i>Pseudotargionia</i>	2(1p, 1tm)
3	kamakurensis (Kuwana), <i>Insulaspis</i>	23
	kamerunicus Lindinger, <i>Selenaspidus</i>	6
	K andraspis spp.	2
1	kanoi (Takahashi), <i>Unaspis</i>	1
	karroo Munting, <i>Formosaspis</i>	1(1p)
	kashicola (Takahashi), <i>Andaspis</i>	10
	kaussarii (Balachowsky), <i>Gonaspidiotus</i>	2(2tm)
	kelloggi Kuwana, <i>Aspidiotus</i> (<i>Chrysomphalus</i>) (= <i>Lindingaspis</i> <i>setiger</i>)	2(1c, 1tm)
6(1c)	kelloggi (Coleman), <i>Stramenaspis</i>	24(6c) ss, am
	kellyi (Brain), <i>Temnaspidiotis</i>	2(1t, 1p)
1	kentiae Kuwana, <i>Phenacaspis</i>	8
	kenyae Williams, <i>Lindingaspis</i>	2
	kenyae Mamet, <i>Neoselenaspidus</i>	1(1p)
7(2t)	kermanensis (Lindinger), <i>Salicicola</i>	17, i, ss, am
	keteleeriae (Ferris), <i>Parainsulaspis</i>	1
	kiggelariae (Brain), <i>Tecaspis</i>	6(1t, 2p)
	kirgisica Borchsenius, <i>Lepidosaphes</i>	2
	kiushiensis (Kuwana), <i>Pseudaulacaspis</i>	1
	knemion Hoke, <i>Leucaspis</i>	7(7t)
	koebelei Townsend + Cockerell, <i>Aspidiotus</i> (= <i>Acutaspis</i> <i>albopicta</i>)	8(8t) am
	kosztarabi Takagi, <i>Chionaspis</i>	3
	kurdicus (Bodenheimer), <i>Acanthomytilus</i>	1
3(1t)	kuwacola (Kuwana), <i>Eucornaspis</i>	24(1tm)
	kuwanai (Takahashi), <i>Hemiberlesia</i>	1
	Kuwanaspis spp.	80
	kuzunoi (Kuwana + Muramatsu), <i>Miscanthaspis</i>	1

-L-

	labiatarum (Marchal), Quadraspidiotus	4
	laciniae (Brain), Duplaspidiotus	11(1t,6p)
	lactea (Maskell), Lepidosaphes	7
	lagunae Ferris, Protodiaspis	18(1p,17tm)
2(1t)	lahoarei (Takahashi), Greeniella	9(3t)i
	lanatus Cockerell, Diaspis (= Pseudaulacaspis pentagona)	1(1tm)
	laniata Ferris, Vinculaspis	3(3tm)
	lantanae (Green + Laing), Pallulaspis	7
	larreae Leonardi, Protargionia	1
3	larreae (Cockerell), Pseudodiaspis	9(9c)
65	lasianthi (Green), Insulaspis	127(1c)i
472	lataniae (Signoret), Hemiberlesia	2,060(4t)i,ss,am
8(1t)	latastei (Cockerell), Hemiberlesia	33(5t)
4	laterochitinsa (Green), Parainsulaspis	14(2pt of t)
5	latipyga Ferris, Melanaspis	19
8(1t)	latissima (Cockerell), Aulacaspis	19(1t,1c,6tm)
	latus Cockerell, Chionaspis (= Pinnaaspis aspidistreae)	1(1c)
	latus Munting, Selenaspidus	2(2p)
5	lauretorum (Lindinger), Aonidiella	17
55	lauri (Bouche), Aonidia	210,i,am
4	laurinus (Lindinger), Quadraspidiotus	10
	leei Williams, Thysanofiorinia	30
	leguminosum (Archangelskaia), Diaspidiotus	1
	leivasi (Costa Lima), Melanaspis	3
	lenticularis (Lindinger), Quadraspidiotus	16
	lentigo Ferris, Pseudoparlatoria	1(1tm)
	Leonardianna sp.	1
	lepelleyi DeLotto, Anotaspis	1(1p)
182	leperii (Signoret), Epidiaspis	277
	Lepidosaphes spp.	446
	Lepidosaphinae spp.	5
	lepineyi Balachowsky, Chionaspis	2
1(1t)	leptocarpi Brittin, Odonaspis	5(1t)
2(1t)	leptospermi (Maskell), Lepidosaphes	4
	leucadendri (Brain), Rolaspis	18(2tm)
	Leucaspini sp.	1
	Leucaspis spp.	203
	leucaspis Lindinger, Cryptoparlatoria	9(1c)
	leucophloeae Rao, Andaspis	1
1(1t)	lidgetti (Green), Anamefiorinia	3(1t,2tm)
9(1c)	lidgetti (Cockerell), Lepidosaphes	8(2t)
6(1t)	lilacina (Cockerell), Melanaspis	11(1L,1pl)
	Lindingaspis spp.	18
	linearis (Green), Kuwanaspis	9
	linearis Hempel, Pseudischnaspis (= P. bowreyi)	5(1t,2c,2tm)
	lingnani Ferris, Odonaspis	1(1tm)
	lintneri Comstock, Chionaspis	58(10t,1c)
	lintneri var. betulae Cooley, Chionaspis (= C. lintneri)	3(1t,2tm)
39(1c)	liquidambaris (Kotinsky), Chemnaspidiotus	94(5t)am
1	lithocarpicola Takahashi, Neoparlatoria	3
1	litorosa Ferris, Odonaspis	7(1p)
	litothrix Munting, Scleromytilus	3(3p)
	litseae Takagi, Thysanaspis	3
	littoralis Mamet, Selenaspidus	1(1tm)
3	litzeae (Green), Phenacaspis	8(2tm)
1	lizeriana Lahille, Paradiaspis	1(1tm)

	lobata Ferris, Dactylaspis	1
4	lobata Cockerell + Robinson, Schizaspis	11, pm
	lobulata Ben-Dov, Phaspis	1(1p)
	longicornia McKenzie, Aonidiella	2(2p)
1	longiloba (Hall), Aspidaspis	1
	longiloba Cooley, Chionaspis	31(6c)
	longirostris (Signoret), Ischnaspis	534
55	longispina (Morgan), Morganella	175, am
	longispina (Newstead), Parlatoresopsis	15, ss
6(2t)	longissima (Cockerell), Pseudischnaspis	26(7t, 1c)
	longissima (Rao), Takahashiella	3
	longula Ferris, Melanaspis	1
	Lopholeucaspis spp.	2
2(1t)	loranthi (Green), Aulacaspis	4(2t, 1c)
1(1c)	loranthi (Hall), Bantudiaspis	2(1c)
	loranthi (Laing), Hemiberlesia	3
	loranthi Mamet, Schizentaspidiotus	1(1t)
	louisiae Mamet, Selenaspidus	1(1p)
	lounsburyi (Leonardi), Dentachionaspis	9
1	lounsburyi (Marlatt), Entaspidiotus	21
6(3c)	lounsburyi (Cooley), Rolaspis	17(10c, 2tm)
	louristanus Kaussari + Balachowsky, Melanaspis	1
16	lowi (Colvee), Anamaspis	79, i
	lueckorum Munting, Mammata	1(1p)
	lunata Ferris, Mancaspis	3(2tm)
	lycii (Brain), Ambigaspidis	3(1t, 2p)

-M-

	macadamiae Williams, Lepidosaphes	2(2p)
	macdanieli (Beardsley), Varicaspis	2(2p)
	macella Williams, Lepidosaphes	2(2p)
1	machili (Takahashi), Chionaspis	3
1	machili (Maskell), Lepidosaphes	3(1t, 2c)
	machili Takahashi, Parlatoria	1
	machilicola Takahashi, Parlatoria	9, i, ss
2	mackieana (McKenzie), Andaspis	22(1t, 1p, 1tm)
3(1t, 1c)	maculata Cockerell, Aulacaspis	5(2t)
	maculata Ferris, Crassaspis	1
	maculata Ferris, Pseudoparlatoria	1(1tm)
	madagascariensis (Mamet), Paraselenaspidus	6(1p)
2	madiunensis (Zehntner), Aulacaspis	7
	maesae Takagi, Aulacaspis	4(4tm)
	magna (Ferris), Ferrisidea	3(1p, 1tm)
	magnifica McKenzie, Lindingaspidis	2(1t, 1p)
	magnospinus Newstead, Selenaspidus	3
	magnus (Lindinger), Entaspidiotus	1
1(t)	maideni (Maskell), Allantomytilus	10
15(2t)	mairei (Balachowsky), Quadraspidiotus	1
	major (Cockerell), Pseudaulacaspis	55(2t, 4c)
	makii (Kuwana), Diaspidiotus	1
	malawicus Munting, Selopetaspis	1(1p)
3	maleti (Vayssiere), Quadraspidiotus	5
	malicola Borchsenius, Lepidosaphes	11
	malloti Mamet, Mauritiaspis	1(1tm)
	malzyi Balachowsky, Selenaspidus	1
	mammata Ferris, Malleolaspis	5(1tm)
2	mangiferae Takahashi, Semelaspidus	8

1	manilensis Robinson, Pseudaonidia	8
	manni (Green), Diaspis	5
3	manzanitae (Whitney), Diaspis	17
	marani Zahradnik, Quadraspidiotus	1(1c)
	marchali Cockerell, Hemichionaspis (= Pinnaspis strachani)	2(2t)
	margaritae (Brain), Dentachionaspis	2(1t,1p)
	marginalis Brain, Aonidia	4(1t,2p)
	marginalis McKenzie, Parlatoria	1(1p)
	marginipora McKenzie, Aonidiella	3(2p)
	maricoensis Munting, Multispinaspis	1(1p)
	marisci Tippins + Beshear, Aspidiotus	1(1h)
	marlatti (Parrott), Melanaspis	17(3tm)
	marquesi Costa Lima, Pseudaonidia	1(1c)
2	maskelli Morrison + Morrison, Anoplaspis	7(1h,2p,2c)
	massiliensis (Goux), Mohelnaspis	3
	maurellae (Laing), Crenulaspidiotus	39
1	mauritanus (Newstead), Tollaspidiotus	5,am
	mccombi McKenzie, Diaspidiotus	25(2p)
	mcgregori (Banks), Insulaspis	1
	mckenzei Balachowsky, Parlagena	1
2	meccae (Hall), Cryptoparlatoresopsis	2
3(1t)	media Maskell, Poliaspis	11(3t)i
	medicus Kaussari, Dynaspidiotus	1
	mediterranea (Lindinger), Cupressaspis	1
2(1t)	megaloba (Green), Phenacaspis	7(4pt of t,2tm)
1	megapora (Balachowsky), Murataspis	3
	melaleuca (Maskell), Lepidosaphes	7
	Melanaspis Cockerell, spp.	1
2(1t)	meliae (Green), Andaspis	3(2c)
1(1c)	melicytidis Brittin, Leucaspis	1
	memorabilis Ferris, Pseudoparlatoria	1(1tm)
	mendax (McKenzie), Abgrallaspis	32(1t,1p)
2	merrilli (Cockerell), Duplaspidiotus	3(2t)
	mesembryanthemae Brain, Aonidia	2(1t,2tm,1p)
	messengeri McKenzie, Aonidiella	16(1t,2tm)
7(2t)	mesuae (Green), Greeniella	12(1t,1to)
	Metaspidiotus sp.	1
3	metrosideri (Maskell), Anoplaspis	4
	mexicana McKenzie, Helaspis	1(1p)
7(1t,1c)	mexicana Cockerell, Mytilaspis	15(2t)
1(1t)	meyeri (Marlatt), Dynaspidiotus	2(2t)
2	michoacana Ferris, Epidiaspis	4
	micronesiensis Takahashi, Lepidosaphes	5(1tm)
	micropori Borchsenius, Andaspis	6
	micropori Marlatt, Chionaspis	3(1t,2tm)
3	mimosae (Comstock), Melanaspis	22(8tm)
15(1t)	mimosarum (Cockerell), Velataspis	25(2t)
	mini Davidson, Crenulaspidiotus	8(1h,7p)
1	minima (Targioni-Tozzetti), Carulaspis	113
	minima (Maskell), Trulliflorinia	1
5(1t)	minimus (Leonardi), Gonaspidiotus	13(2c,1tm)ss
4	minor Maskell, Florinia	9
229	minor (Maskell), Pinnaspis (= P. strachani ?)	461
38	minor v. strachani Cooley, Hemichionaspis (= P. strachani)	4(4c)
	minuta (Green), Tenulaspis	4
1	minutus Kotinsky, Chrysomphalus	1
5(2c)	miranda (Cockerell), Diaspis	16(1t,4c)

	miscantheae (Kuwana), Duplachionaspis	3(2c)
	miscanthi Ferris, Pygalataspis	1(1p)
1(1t)	mittelli (Marlatt), Abgrallaspis	12(11t)
5	misochocarp (Cockerell + Robinson), Aulacaspis	5(1t,1tm)
	miyamotoi Takagi, Neoparlatoria	1(1tm)
1(1p)	moni (Kuwana), Pseudaulacaspis	2(2p)
	Monaonidiella spp.	4
	monechmae Munting, Multispinaspis	1(1p)
	monoloba Munting, Fulaspis	2(2p)
4(1c)	montana (Cockerell), Epidiaspis	7(3t)
	monticola Mamet, Pseudoleucaspis	1(1tm)
1(1c)	moorei (Green), Parrottia	2(2c)
	Morganella spp.	15
	mori (Herrick), Clavaspis	8(2c)
	morrisoni Beardsley, Odonaspis	3(2p)
4	morrisoni McKenzie, Parlatoria	19(1t,5p)
	morrisonorum Kosztarab, Acutaspis	5(1h)i
4	multiclavata (Ferris), Melanaspis	0
	multiductus Beardsley, Palauaspis	1(1p)
	multiglandulatus Kosztarab, Aonidomytilus	7(1h)
	multilobis Hempel, Diaspidistis	5(2t)
1	multiplora (Ferris), Crassaspis	4
	multiplora McKenzie, Parlatoria	2(1t,1p)
	multiplora (Leonardi), Lepidosaphes	1
	multiplora (Takahashi), Metaspidiotus	1
	muntingi Ben-Dov, Africaspis	1
	murrayae Takahashi, Aulacaspis	6
	musae Takagi + Yamamoto, Hemiberlesia	8
	musae (Laing), Lindiaspis	1
5(1t)	mussaendae (Green), Pinnaspis	9
	mutica Williams, Aloaspis	1(1p)
	Mycetaspis spp.	8
	myersi Green, Leucaspis	1
2	mytilasiformis Green, Parlatoria	3

-N-

	namaquensis Ben-Dov, Hulaspis	2(2p)
	natalensis (Maskell), Duplachionaspis	7
9(1t,2c)	natalensis Cockerell, Phenacaspis (= Pseudaulacaspis cockerelli)	7(2t,5tm)
	nebulosus Ferris, Rugaspidiotus	1
	Neoleonardia spp.	20
	neolinaris (Takahashi), Kuwanaspis	8
	Neoparlaspis spp.	9
	neorossi McKenzie, Lindiaspis	7(1t,2p)
5	nephellii (Maskell), Thysanoflorinia	21,i,ss
956	nerii Bouche, Aspidiotus	2,235
19	newsteadi (Sulc), Insulaspis	22
	newsteadi (Leonardi), Pudaspis	5
	nigra (Brain), Duplaspidiotus	2(1t)
9	nigra (Takahashi), Formosaspis	2
3	nigra (Cockerell), Opuntiaspis (= O. carinata)	8(2tm)
4	nigra Signoret, Targionia	3
3(1t)	nigropunctata (Cockerell), Melanaspis	68(4tm)

	Nikkoaspis spp.	5
	nitida (Maskell), Phenacaspis	4(1t)
	nivalis Takagi, Lepidosaphes	2(2tm)
	nivea (Maskell), Albastaspis	12
	Niveaspis spp.	43
3(1t)	noacki Cockerell, Pseudoparlatoria	2(2c)
	noeae (Hall), Duplachionaspis	2
	nothopanacis Ferris, Aspidiotus	1
	novemdentata Ferris, Anceaspis	10(2p, 8tm)
1	noxia (McKenzie), Insulaspis	35(1p, 2tm)
	Nuculaspis spp.	34
	nulliporus McKenzie, Chrysomphalus	12(1t, 2p)
	nullispina Munting, Aonidia	2(2p)
12(1t)	nyssae Comstock, Chionaspis	32(7t, 1tm)

-O-

139	obscura (Comstock), Melanaspis	203(3tm)
3(1t)	obsita Cockerell + Robinson, Pseudoaonidia	3(1t)
	obtecta (Ferris), Lapozia	3(1p, 1tm)
1(lpt of t)	obtusa Green + Laing, Aonidia	9(7t, 2pt of t)
	occidentalis (Kosztarab), Chionaspis	3(1h)
6(2t)	occulta (Green), Cryptophyllaspis	6(1c)
8	oceanica Lindinger, Furcaspis	111
	Octaspidiotus sp.	1
	Odonaspis spp.	27
	odontoglossi (Cockerell), Melanaspis	37(1p)
	ohakunensis Brittin, Leucaspis	5
	okitsuensis (Kuwana), Parainsulaspis	9
	oleae Leonardi, Lepidosaphes	1
108	oleae (Colvee), Parlatoria	576
	olgae Borchsenius, Parlatoria	1(1tm)
	operta DeLotto, Aonidia	1(1p)
	ophiopegonus Kuwana + Muramatsu, Aspidiotus	1
	opima (Silvestri), Lindingaspis	8
	Opuntiaspis spp.	2
	orchidarum Ferris, Africaspis	72
137	orientalis (Newstead), Aonidiella	471(3c)1
1	orientalis (Green), Aulacaspis	0
	orsomi (Mamet), Insulaspis	1
	ortholobis Comstock, Chionaspis	70(1t)
	osborni (Newell + Cockerell), Diaspidiotus	130(2c)1, ss, am
149(2c)	ostreaeformis (Curtis), Quadraspidiotus	253
52	ostreata Cockerell, Pseudoparlatoria	161
14	oxycoccus (Woglum), Gonaspidiotus	45(4t)

-P-

56	paeoniae (Cockerell), Pseudoaonidia	217(1t, 4pt of ti, ss
	palauensis Beardsley, Anastomoderma	1(1p)
	palauensis Beardsley, Lepidosaphes	1(1p)
	palestinensis Bodenheimer, Lepidosaphes (= Mytilaspis flava)	1(1c)
	Palinaspis Ferris, spp.	2
	pallens (Maskell), Lepidosaphes	14

3	<i>pallida</i> (Robinson), <i>Aulacaspis</i>	6(3tm) am
	<i>pallida</i> Munting, <i>Formosaspis</i>	2(1p,1tm)
25(1t)	<i>pallida</i> (Maskell), <i>Insulaspis</i>	130
13	<i>pallidula</i> Williams, <i>Insularis</i>	18
39(1t)	<i>palmae</i> (Cockerell), <i>Borchseniaspis</i>	261(2t,2c) am
	<i>pandani</i> Comstock, <i>Mytilaspis</i> ? (= <i>Pinnaspis buxi</i>)	3(3t)
1(1c)	<i>pangoensis</i> Doane + Ferris, <i>Aspidiotus</i>	4(2c)
	<i>panici</i> Hall, <i>Odonaspis</i>	1
	<i>paolii</i> Balachowsky, <i>Aspidiotus</i>	2(2pt of t)
1(1pt of t)	<i>papillosa</i> (Green), <i>Parlaspis</i>	2(1pt of t,1c)
1(1t)	<i>parallel</i> Green, <i>Neoleucaspis</i>	4(4pt of t)
	<i>paraphyses</i> Takagi, <i>Quadraspidotus</i>	1
	<i>parasiti</i> McKenzie, <i>Diaspis</i>	3(1p,1tm)
	<i>parastigma</i> Balachowsky, <i>Chionaspis</i>	2
	<i>parayuccarum</i> Munting, <i>Targionia</i>	2(2p)
	<i>Parlatoreopsis</i> spp.	6
	<i>Parlatoria</i> spp.	135
	<i>parlatoriae</i> Sulc, <i>Syngenaspis</i>	1
	<i>Parlatoriini</i> spp.	19
72	<i>parlatorioides</i> (Comstock), <i>Pseudoparlatoria</i>	429(3t) am
	<i>parviloba</i> DeLotto, <i>Rolaspis</i>	1(1p)
2(2t)	<i>parvula</i> Cockerell, <i>Protodiaspis</i>	6(6c)
	<i>patavinus</i> Berlese, <i>Aspidiotus</i> (= <i>Q. pyri</i>)	2(1c,1to)
	<i>pattersoni</i> (Green + Laing), <i>Africaspis</i>	8
	<i>paucitatis</i> (McKenzie), <i>Abgrallaspis</i>	1(1tm)
	<i>paulista</i> (Hempel), <i>Melanaspis</i>	42(2t,1c) am
	<i>pectinatus</i> (Lindinger), <i>Diaspidiotus</i>	2
	<i>pedilanthi</i> (Ferris), <i>Clavaspis</i>	4(1p,1tm)
	<i>pedina</i> Munting, <i>Melanaspis</i>	2(1p,1tm)
	<i>pedroniformis</i> Cockerell + Robinson, <i>Chrysomphalus</i> (= <i>Aonidiella</i> <i>orientalis</i>)	3(3t)
2	<i>pellucida</i> Robinson, <i>Phenacaspis</i>	6(2tm)
39	<i>penicillata</i> (Green), <i>Froggatiella</i>	91(1t)
	<i>peninsularis</i> (Ferris), <i>Aonidomytilus</i>	4(1p)
	<i>peninsularis</i> Howell, <i>Haliaspis</i>	3(1h,2p)
666	<i>pentagona</i> (Targioni-Tozzetti), <i>Pseudaulacaspis</i>	1,575,i,ss,am
	<i>peragrata</i> Ferris, <i>Epidiaspis</i>	1
328(1t)	<i>pergandii</i> Comstock, <i>Parlatoria</i>	1151(1t)
	<i>pergandii</i> v. <i>camelliae</i> Comstock, <i>Parlatoria</i> (= <i>P. camelliae</i>)	2(2t)
	<i>pergandii</i> v. <i>crotonis</i> Cockerell, <i>Parlatoria</i> (= <i>P. crotonis</i>)	4(4c)
	<i>perieri</i> Goux, <i>Quadraspidotus</i>	3
8(1t,1c)	<i>perlonga</i> (Cockerell), <i>Lepidosaphes</i>	14(3t,3c)
3	<i>permutans</i> (Green), <i>Unaspis</i>	2
	<i>permutans</i> v. <i>verecunda</i> Green, <i>Chionaspis</i> (= <i>Unaspis</i> <i>permutans</i>)	2(2tm)
660(2t)	<i>perniciosus</i> (Comstock), <i>Quadraspidotus</i>	1,744(1t,4c)i,am
	<i>perparvula</i> Ferris, <i>Pseudoparlatoria</i>	13(1tm)
2(2t)	<i>perplexa</i> Green, <i>Aonidia</i>	2(1pt of t)i
	<i>perplexus</i> Munting, <i>Clavaspis</i>	1(1p)
	<i>perplexus</i> McKenzie, <i>Parlatoreopsis</i> (= <i>P. longispinus</i>)	1(1t)
1(1c)	<i>perpusilla</i> (Maskell), <i>Gymnaspis</i>	19(2tm)i,ss
	<i>perseae</i> (Comstock), <i>Acutaspis</i>	181(9t,3c,3tm)
	<i>persearum</i> Cockerell, <i>Aspidiotus</i> (= <i>A. spinosus</i>)	5(5t)
	<i>perseus</i> Davidson, <i>Abgrallaspis</i>	88(1h)
2(2t)	<i>persimilis</i> (Cockerell), <i>Epidiaspis</i>	10(9c)
	<i>personata</i> (Comstock), <i>Mycetaspis</i>	227(7t,1tm,2c)
1	<i>pertusus</i> (Brain), <i>Selenaspidus</i>	12(1t,1p)

2(lpt of t)	phantasma Cockerell + Robinson, Fiorinia	5
	Phenacaspis spp.	405
2(1t)	phenax (Cockerell), Melanaspis	2(2c)
22	philococcus (Cockerell), Opuntiaspis	188
2(2t)	phoradendri (Cockerell), Epidiaspis	10(6t, 3c)
	phyllanthi (Green), Greenoidea	3
	phymatodidis (Maskell), Fusilaspis	5
	piceae Takagi, Cynodontaspis	2
	piceus (Sanders), Diaspidiotus	18(3t, 3c, 3tm)
	piceus (Malenotti), Lindingaspis	4
	pictor Williams, Abgrallaspis	6
2	pimentae (Newstead), Leonardianna	4
15	pini (Maskell), Insulaspis	91
34(1t)	pini (Hartig), Leucaspis	26, i, ss
	pini Comstock, Aspidiotus (= Nuculaspis californica)	8(7t, lc)
28	pinicola Maskell, Fiorinia	36, ss
	pinicola (Leonardi), Gomezmenoraspis	1
	pinicolus (Chen), Ungulaspis	1
	pinicorticis Ferris, Fiorinia	1
164	pinifoliae (Fitch), Chionaspis	328
	piniphila (Borchsenius), Parainsulaspis	14
46	pinnaeformis (Bouche), Eucornaspis	378
	Pinnaspis spp.	455
	pinnulifer (Maskell), Chrysomphalus	37
3	piperis (Green), Cornuaspis	10
	piriformis Ferris, Mancaspis	3(3tm)
8	pistaciae (Archangel'skaya), Pistaciaspis	26
1(1t)	pistaciae (Lindinger), Suturaaspis	6(3tm), ss
1(lc)	pittospori Brittin, Leucaspis	2(2c)
	pittospori Maskell, Parlatoria	91, ss
	pitysophila Takagi, Hemiberlesia	3(3tm)
	pitysophila Takagi, Lepidosaphes	1(1tm)
2(lpt of t)	plana Green, Fiorinia	4(1c)
2(1t)	planchonoides Green, Aonidia	3
6(2c)	platani Cooley, Chionaspis	20(5c)
5	podocarpi Green, Leucaspis	4
	podocarpi Mamet, Selenaspidus	3(1p)
	Poliaspis spp.	44
	Poliaspoides spp.	5
	polygona Ferris, Annulaspis	2
2	polygoni (Green), Phenacaspis	2
	pomicortis Riley, Mytilaspis (= Lepidosaphes ulmi)	1(1t)
	ponderosa (Ferris), Melanaspis	2, 2s
5(2t)	popularum (Marlatt), Hemiberlesia	82(6t) ss
1	portaeurae Ferris, Leucaspis	16
	portaricensis (Lindinger), Crenulaspidiotus	64
	portulacariae Williams, Diaspis	1(1p)
	portulacariae Hall, Selenaspidus	1
1	praelonga (Newstead), Cooleyaspis	4
	praetexta Ferris, Protodiaspis	1(1tm)
4	proboscitaria Green, Fiorinia	17, ss
	procera DeLotto, Rolaspis	1(1p)
	producta Green, Hybridaspis	6(1tm)
	prosimus Banks, Chrysomphalus	10
	prosopidis (Ferris), Ferrisidea	2(1p, 1tm)
15(1t)	prosopidis (Cockerell), Xerophilaspis	34(4c) i, ss, pm

1	proteae (Brain), Separaspis	7(1t,2p,1pt of t)
116	proteus (Curtis), Parlatoria	845
	Protodiaspis sp.	1
	prunorum (Borchsenius), Chlidaspis	2
2	prunorum (Laing), Diaspidiotus	4
	Pseudaonidia spp.	83
26	pseudaspidiotus (Lindinger), Genaparlatoria	155(1t,1c)ss
	pseudaspidistrae Green, Hemichionaspis (= Pinnaspis buxi)	1(1t)
	Pseudaulacaspis spp.	4
2	pseudocamelliae (Green), Diaspidiotus	1(1c)
	Pseudodiaspis spp.	2
	pseudoleucaspis (Kuwana), Kuwanaspis	30
1	pseudomeyeri (Kuwana), Tsugaspidiotus	9(2c)
	Pseudoparlatoria spp.	251
	pseudorapax McKenzie, Hemiberlesia	3(1t)
	pseudospinosus Woglum, Aspidiotus (= Gonaspidiotus howardi)	3(3t)
	pseudotsugae (Takahashi), Pinomytilus	2
9	pulchra (Green), Eugreeniella	30(3tm)i,ss
	pumilus (Brain), Selenaspis	4(1t)
	punctata Ferris, Pseudoparlatoria	3(1tm)
3	punicae (Laing), Andaspis	14,am
6	pusilla Green, Aonidia	3(1c)
6	pusilla Loew, Leucaspis	94,ss,am
5(1t)	putearius Green, Aspidiotus	14(2t,2c,1tm)
11(1to)	pyri (Marlatt), Parlatorespis	15(4t)
2	pyri (Lichtenstein), Quadraspidiotus	61,ss
3	pyriformis (Maskell), Lepidosaphes	13

-Q-

	Quadraspidiotus spp.	127
4	quadriclavatus (Green), Duplaspidiotus	4
	quadridentata Ferris, Anceaspis	1(1tm)
	quadriloba Munting, Namibia	1(1p)
	quadrilobata Kaussari + Balachowsky, Fisanotargionia	1
	quadrispinosa Munting, Dentachionaspis	4(4p)
	quercicola Ferris, Hemiberlesia	7(1tm, 2pt of tm)
	quercicola Tippins + Beshear, Quernaspis	4(1h,3p)
	quercus Kuwana, Phenacaspis	21(4c)
15(1t)	quercus (Comstock), Quernaspis	51(7t,5tm)ss,am
2	quohogiformis (Merrill), Palinaspis	8(3c)

-R-

1	radicicola Ferris, Diaspis	6(1p)
2(1pt of t)	ramakrishnae Green, Gymnaspis	13(12t,1c)
	ramirezi Balachowsky, Acutaspis	1
290	rapax (Comstock), Hemiberlesia	777(13t,1c)i,am
	regius (Brain), Dynaspidiotus	3(1L,1pl)
	regularis (Newstead), Umbaspis	4
	reniformis (Cockerell), Acutaspis	12(5t,4c)
	replicata (Lindinger), Aonidiella	4
1	retamae (Hall), Pallulaspis	2(1tm)
1(1c)	retigera (Cockerell), Tecaspis	12(3t,6p,1c,1pt of t)
4	retrusa (Green), Andaspis	4(1c)

	Rhizaspidiotus spp.	4
	rhizobium Munting, Tecaspis	3(3p)
1	rhodesiensis (Hall), Ephedraspis	2
2	rhododendri (Green), Pinnaspis	2
4	rhusae Brain, Aonidia	10(1t,2p) am
	rhusae Hall, Howardia (=Bantudiaspis loranthi)	1(1c)
6	riccae Targioni-Tozzetti, Leucaspis	30
	rigida Ferris, Aspidiella	1(1tm)
	rigidus Reyne, Aspidiotus	7
1(1t)	riverae Cockerell, Aspidiotus	3(1t)
	robusta Takahashi, Aulacaspis	4
	Rolaspis sp.	1
	rosae (Bouche), Aulacaspis	337,i,am
	rosarum Borchsenius, Aulacaspis	32
	rossi (Maskell), Lindingaspis	100,am
	ruandensis Balachowsky, Aspidiotus	1
	rubidus McKenzie, Selenaspidus	9(1t,2p)
2	rubra (Maskell), Parafiorinia	11
1	rubribullatus (Froggatt), Chrysomphalus	26(1c,5tm)
6(1t)	rubrolineata Leonardi, Trullifiorinia	9,ss
4(1t)	rubrovittatus (Cockerell), Insulaspis	38(1pt of tm)
2(1t,1c)	ruebsaameni Cockerell, Cryptophyllaspis	1(1t)
	ruelliae (Ferris), Situlaspis	1(1p)
3	rufa Green, Porogymnaspis	4(3t)
	Rugaspidiotus spp.	7
35	ruthae Kotinshy, Odonaspis	182(2t,2tm)

-S-

49(1t)	sabalis (Comstock), Comstockiella	81(7t)
4(1t)	sabalis var. mexicana Cockerell, Aspidiotus (= Comstockiella sabalis)	2(2t)
	sabatius Tippins, Aconidomytilus	4(1p)
1	sacchari (Hall), Acanthomytilus	1
49	sacchari (Cockerell), Aspidiella	1(1c),i
5	saccharicaulis (Zehntner), Odonaspis	33
	saccharicola (Costa Lima), Melanaspis	1
3	saccharifolii (Zehntner), Duplachionaspis	7,i,ss
	saigusai Takagi, Aulacaspis	3(3tm)
	salavatiani Balachowsky + Kaussari, Chortinaspis	1
	salicicola Ferris, Epidiaspis	1
	salicina Borchsenius, Lepidosaphes	1
101	salicis (L.), Chionaspis	332,i
103	salicisnigrae (Walsh), Chionaspis	127
1(1to)	salicornia (Gomez-Menor), Discodiaspis	2(1to)
1	samoana (Doane + Ferris), Phenacaspis	1
4(1t)	saprosmae Green, Fiorinia	7,i
	sarkissiani Kaussari + Balachowsky, Paragadaspis	1
	sasakawai Takagi, Pseudaulacaspis	2(2tm)
3	sassceri Cockerell + Robbins, Chionaspis	22(11c)i,ss
	Schizentaspidotus spp.	4
	schizosoma Takagi, Chionaspis	2(2tm)
5	schizostachyi Cockerell + Robinson, Odonaspis	7,ss
	schultzei (Newstead), Selenaspidus	6
	sciadopitysi (McKenzie), Insulaspis	20(1t,4p)
	sclerosa Munting, Aonidia	3(1p,2tm)i
	sclerosa Munting, Gymnaspis	1(1p)

2(lt)	scrobicularum (Green), Pinnaspis	4(lt, 2pt of tm)
4(lt)	scrobicularum (Green), Trulliflorinia	4(ltm)ss
1	sculpta Ferris, Malleolaspis	4(2tm)
	scutiae (Brain), Africaspis	2(lt, lp)
	scutiformis (Cockerell), Acutaspis	49(lt, 2c, 2tm)
3	secreta (Green), Adiscofiorinia	3
16(lt)	secreta (Cockerell), Odonaspis	33(4c)i, ss
	selangorensis Hall + Williams, Aspidiotus	5
	Selenaspidina spp.	3
	Selenaspidus spp.	81
	septunx Ferris, Prodigiaspis	1(ltm)
	serratiloba Ferris, Dactylaspis	1(ltm)
	serrifrons (Leonardi), Scobinaspis	3
9(lt)	serrulata Townsend + Cockerell, Pseudoparaltoria	20(15c)am
	setiger (Maskell), Lindingaspis	9
1	shiranensis Kuwana, Nikkoaspis	7, ss
	signata Ferris, Protodiaspis	1(ltm)
4	signata (Maskell), Unachionaspis	7
1	signoreti Targioni-Tozzetti, Leucaspis	16
	signoreti Comstock, Aspidiotus (= Targionia nigra)	2(2t)
3	silvaticus (Lindinger), Neoselenaspidus	49
2(lc)	similis Green, Fiorinia	1
	similis McKenzie, Lindingaspis	2(2t)
1	simmondsiae Ferris, Diaspis	8(lp, ltm)
	simplex Leonardi, Aonidia	2
	simplex (Grandpre and Charmoy), Aonidiella	2
	simplex Munting, Namaquea	1(lp)
	simplex Takagi, Pseudaulacaspis	2
	simulans DeLotto, Aspidiotus	1(lp)
	sinensis Ferris, Hemiberlesia	1
	sinoiae (Hall), Tecaspis	1(lc)
	sinuta (Ferris), Crenulaspidiotus	1
6(lt)	siphonodontis Cockerell + Robinson, Pinnaspis (= P. buxi)	1(lt)
2	sitreana (Hempel), Melanaspis	1
	Situlaspis spp.	4
	slavonicus (Green), Quadraspidiotus	1
	smilaceti Takahashi, Fiorinia	4(3c)
12(lt)	smilacis (Comstock), Melanaspis	34(1L, 3pl)
	smilacis (Takagi), Parainsulaspis	1
	socialis (Hoke), Quadraspidiotus	1(lp)
3	solidaginis (Hoke), Aonidomytilus	11
	sozanica Takahashi, Chionaspis	3
	spartii Kaussari, Dynaspidiotus	1
	spartinae (Comstock), Haliaspis	40(4t)am
1(lt)	spatulata Green, Aonidia	1(lpt of tm)
	sphaerioides (Cockerell), Mycetaspis	62(3t)am
	sphaerocarpae (Balachowsky), Quadraspidiotus	2
	spiculata (Green), Xiphuraspis	1(lpt of t)
	spinicola Dietz + Morrison, Phenacaspis (= Chionaspis gled-itsiae)	4(lc)
	spinifera (Maskell), Berlesaspis	18
	spinigera (Lindinger), Morganella	2
1	spinomarginata Green, Gymnaspidis	1
1	spinosa (Maskell), Aulacaspis	7
	spinosa Munting, Namibia	1(lp)
29(lt)	spinosus Comstock, Aspidiotus	132(27t)
	spinosus Laing, Selenaspidus	4
	spinulosa Beardsley, Lepidosaphes	15(lp)
	spurcatus Signoret, Aspidiotus	13

	squamea Ferris, Melanaspis	6
	squamosa Hempel, Diaspidistis	3
	stanotophri (Cooley), Duplachionaspis	23(4c,ltm)
	stauntoniae (Takahashi), Metaspidiotus	23
	stoebae Munting, Targionia	1(lp)
279(lt)	strachani (Cooley), Pinnaspis	1,044
2	striata (Newstead), Lineaspis	7
2(lt)	stricta (Maskell), Leucaspis	12(2tm) ss, am
1	strictus (Maskell), Phaulomytilus	11(ltm)
1	strobilanther (Green), Phenacaspis	2
	subchortina (Laing), Chortinaspis	16, am
	subcircularis Balachowsky, Pseudoparlatoria	1
10	subcorticalis (Green), Phenacaspis	13(1c)
	subcorticis Ben-Dov, Pseudotargionia	2(2p)
	subcuticularis (Green), Clavaspis	1
1	subfervens (Green), Clavaspis	11
	subnigra McKenzie, Acutaspis	3(1t, lto)
5	subrubescens (Maskell), Octaspidiotus	22(1t) ss
6(2t)	subsimilis (Cockerell), Clavaspis	12(10t)
	subsimilis var. anonae Houser, Aspidiotus (= Clavaspis herculeana)	3(1t, 2p)
1	subspiculifera (Froggatt), Lepidosaphes	2
	substriata (Newstead), Dentaspis	2
2	subterranea Lindinger, Chortinaspis	6
	suishana (Takahashi), Kuwanaspis	5
	sulcata Ferris, Melanaspis	22
34(1t,lc)	sylvatica Sanders, Chionaspis (= C. nyssae)	38(2t,lc)
	syncarpiæ (Maskell), Protodiaspis	7

-T-

1	tafiranus Lindinger, Aspidiotus	3
1(lc)	taiwana Takahashi, Fiornia	3(3o)
	taizi Mamet, Selenaspidus	1(lp)
	Takahashiaspis spp.	3
	takahashii Takagi, Crassaspidiotus	3(3tm)
	takahashii Ferris, Pseudaulacaspis	4
2	tamaricicola Malenotti, Adiscodiaspis	25
4	tamarindi Green, Aspidiotus	7
	taorensis (Lindinger), Aonidiella	1
	tapleyi (Williams), Insulaspis	20
	Targionia spp.	46
	tasmaniae Green, Aspidiotus (= A. nerii)	2(1t, ltm)
	taxodii Ferris, Quadraspidiotus	15, am
	taxus Leonardi, Aonidiella	29(3c)
	tayabanus (Cockerell), Clavaspidiotus	1
	tecleae Ben-Dov, Ischnaspis	2(2p)
10	tegalensis (Zehntner), Miscanthaspis	20
	temporaria Ferris, Pinnaspis (= P. strachani)	1(1t)
6	tenax McKenzie, Melanaspis	115
123	tenebricosa (Comstock), Melanaspis	64(8tm)
	tentaculata (Green), Greeniella	1(1c)
1(lc)	tenuidisculus (Newstead), Salaspis	1(1=to c)
	tenuiloba DeLotto, Ledaspis	1(lp)
	tenuis Ferris, Niveaspis	1(ltm)
3	tenuis (Maskell), Unachionaspis	16
	terminaliae Munting, Africaspis	2(2p)

31	tesseratus (Grandpre + Charmoy), Duplaspidiotus	91(7t)
1	texana Ferris, Clavaspis	18
6(1t)	texensis (Cockerell), Diaspis	22(2t) am
105	theae Green, Fiorinia	230(1t, 2c) i, ss
112(1t)	theae Cockerell, Parlatoria	265(1t, 5c, 1tm) am
6	theae (Maskell), Pinnaaspis	21
	theae Maskell, Aspidiotus (= Pseudaonidia duplex)	1(1 prob. c)
1(1t)	theae var. euonymi Cockerell, Parlatoria (= P. theae)	5
31	theae var. viridis Cockerell, Parlatoria (= P. theae)	2(1t, 1c)
	theobromae Williams, Semelaspidus	1(1p)
5	thoracica (Robinson), Aulacaspis	10(1tm)
1	thymbrae (Koroneos), Quadraspidiotus	1(1to)
	Thysanofiroinia spp.	4
	tillandsiae Takagi & Tippins, Epidiaspis	1(1h)
	tillandsiae Tippins, Pseudoparlatoria	4(3p)
	tillandsiae Takagi & Tippins, Quadraspidiotus	1(1h)
	tinperfensis (Lindinger), Aonidiella	3
	tingi McKenzie, Lindingaspidis	41(1p)
2	tlaiiae (Balachowsky), Cryptoparlatoresopsis	3
5(1t)	tokionis (Kuwana), Insulaspis	225
	tonilensis Cockerell, Chrysomphalus (Melanaspis) (= Targ- aspidiotus yuccarum)	2(1t, 1c)
6(1t)	toumeyii Cockerell, Diaspis	13
5	townsendi Cockerell, Diaspis	13(4t, 2c)
	townsendi (Cockerell), Gonaspidiotus	144(8c)
	townsendi Cockerell, Hemichionaspis (= Pinnaaspis strachani)	2(2tm)
	townsendiana (Cockerell), Niveaspis	2(1t)
	trabuti Balachowsky, Rungaspis	1
1	transcaspensis (Marlatt), Diaspidiotus	9(6t)
	transparent Green, Aspidiotus (= A. destructor)	4(4c) am
2(1t, 1c)	tricolor Cockerell, Aspidiotus (Hemiberlesia) (= Hemiberlesia rapax)	6(6c)
	tricuspid Ferris, Melanaspis	1
	tridentata (Ferris), Ancepaspidis	13(1tm) i, ss
	tridentifer Ferris, Aspidiotus	9(1tm)
70(2c)	trilobitiformis (Green), Pseudaonidia	274(2c) ss, pm, am
	trochodendri Takahashi, Chionaspis	3
	tsugae Takagi, Epifiorinia	2(2tm)
6(2t)	tsugae (Marlatt), Tsugaspidiotus	14(2t)
18	tubercularis Newstead, Aulacaspis	197
21	tubulorum (Ferris), Paralepidosaphes	46
	tubuliferus (Balachowsky), Aspidaspis	1(1tm)
	turanica (Archangelskaya), Mytilaspis	4
	turgida Ferris, Pseudoparlatoria	1
	turpiniae Takahashi, Unaspis	1
	tuta Ferris, Epidiaspis	1

-U-

1	uapacae (Hall), Dinaspis	0
1	uberifera (Lindinger), Silvestraspidis	5
	ulapa Beardsley, Lepidosaphes	1(1p)
29(1c)	ulmi (Johnson), Clavaspidis	77
	ulmi (Hoke), Fissuraspidis	13
902	ulmi (L.), Lepidosaphes	524, i, ss
	umbonifera (Newstead), Acutaspidis	168
	Unachionaspis spp.	2
	Ungulaspidis spp.	5

1	ungulata (Green), Ungulaspis	1
3	uniloba (Maskell), Chentraspis	14,c,am
	uniloba (Kuwana), Pinnaspis	23
	uniolae Takagi, Haliaspis	14(7t)ss
61(lt)	uvae (Comstock), Diaspidiotus	119(6t)i,c,am
3(lt, 2t of t)	uvariae (Comstock + Robinson), Pinnaspis	7(lt, 6pt of tm)

-V-

	vacciniae Kuwana, Fiorinia	10
	vagabundus Cockerell, Aspidiotus (= A. nerii)	4(4c)
1	vandae (Rutherford), Andaspis	1
	vandae McKenzie, Parlatoria	8(3p, 2tm)
	variabilis Ferris, Aonidomytilus	1(ltm)
	variabilis McKenzie, Chrysomphalus	7(2p, ltm)
3(lt)	varicosa (Green), Phenacaspis	9(lt, ltm)
2	vateriae Green, Parlatoria	4(2c)
	Velataspis spp.	14
	ventropora Munting, Yomaspis	2(1p)
	vermicula (Mamet), Insulaspis	9
	vermiformis (Takahashi), Kuwanaspis	25
	vermiformis (Takahashi), Takahashiella	20
	victoriae (Cockerell), Lindingaspis	6(4t)
1	victoriae (Green), Scrupulaspis	3
	virgata Ferris, Vinculaspis	3(3tm)
7	visci (Schrank), Carulaspis	6
	visci (Brain), Tecaspis	4(1t, 1p)
	viticis Takagi, Andaspis	6(6tm)
	viticola (Leonardi), Diaspidiotus	1
9(lt)	vitis (Green), Phenacaspis	21
5	vitis (Signoret), Targionia	16
	vulcanica Ferris, Niveaspis	2

-W-

1	wakayamaensis (Kuwana), Miscanthaspis	2(2c)
	watanabei Takagi, Aspidiotus	1(ltm)
	whitehilli (Hall), Rolaspis	3
	wilga (Leonardi), Leonardaspis	12
	wilkeyi Ben-Dov, Africaspis	5(1h, 1p)
	williamsi DeLotto, Melanaspis	1(1p)
12(2c)	wistariae Cooley, Chionaspis	32(5c)

-X-

3	xanthorrhoeae (Fuller), Phenacaspis	3
	xerophila Munting, Dielavaspis	1(1p)
	xerotidis (Maskell), Phenacaspis	4

-Y-

3	yabunikkei Kuwana, Aulacaspis	7(1t, 4c)
	yabunikkei (Kuwana), Diaonidia	1

4	yanagicola (Kuwana), Insulaspis	29
20	yanonensis (Kuwana), Unaspis	763
	yomae Munting, Aonidia	3(3p)
	yomae Munting, Diaspidiotus	1(lp)
	yoshimotoi Takagi, Lepidosaphes	2(2tm)
29	yuccae (Cockerell), Situlaspis	69(3c, 1pt of t)
	yuccae v. neomexicana Cockerell + Parrott, Aspidiotus (= Situlaspis yuccae)	1(1t)
1(1t)	yuccarum (Cockerell), Targaspidiotus	25(7c)
1(1t)	yuccarum var. exalbidus Cockerell, Targionia	2(1t)
	yulupae Bremner, Aspidiotus (= Diaspidiotus osborni)	3(3t)
	yunnanensis Ferris, Andaspis	1
	yunnanensis Ferris, Greenaspis	1
	yunnanensis Ferris, Parlatoria	1(1tm)

-2-

34	zamia (Morgan), Furchadaspis	67
	zelkovae Takagi, Lepidosaphes	7
3	zillae (Hall), Contigaspidis	3
	zingiberi Mamet, Aspidiella	5
129	ziziphi (Lucas), Parlatoria	458
10	zonatus (Frauenfeldt), Quadraspidiotus	37, am
	zuluensis Munting, Duplachionaspis	1(lp)

Notes

Several people have given information or have asked questions which are relevant to the general coccidology community. Because one of the primary functions of this newsletter is to provide better communication, I am pleased to give the following "notes". All of you are encouraged to submit contributions to this section. For addresses of the "note givers" check your "List of Workers in the Coccoidea".

1. Ham Tippins writes, "In the next issue of the Newsletter, would you please inquire if anyone knows what happens to diaspidid excreta? Also if anyone is working (on) the digestive system. I seem to recall some work in Italy about 25 years ago on internal anatomy but I don't know if or where it was published. It is still intriguing to me that some diaspidids seem to have associated sooty mold while others do not."

2. Robert Kitchin writes, "I have recently finished my studies of spermatogenesis in Parlatoria proteus and Parlatoria ziziphus and now wish to continue these studies on additional species of Parlatoria (e.g., crotonis, camelliae, blanchardi and pergandii). I need either live or fixed (in 4 pts. chloroform; 3pt. ethanol; 1 pt. glacial acetic acid) young second-instar males and gravid females for my research."

"I would like to know if it is possible to obtain specimens of Parlatoria spp. or other diaspidids from you or someone else at the Agricultural Research Center. If not, would you know someone I could contact to obtain these specimens for my research at the University of Wyoming."

Please remember to adhere to quarantine regulations in regard to transport of live specimens.

3. I received the following letter from J. A. deBoer, "Since moving to Auckland with the Division in October my health has suffered and for this reason I have resigned from the D.S.I.R. to live in Nelson again the first of March, 1974."

"I regret very much the prospect of ending my coccid work and I hope that perhaps in the future a way can be found to continue in this field."

We regret that Miss deBoer has had to discontinue her work on scale insects, but are hopeful that her health is now improved and wish her well in Nelson.

4. Jonathan Banks has expressed an interest in receiving material of Kermes for his studies on scale-insect pigments. If you have material which might be of interest contact Jonathan for details of specimen preparation.

5. Jim Howell has asked me to inform you that the "Fifth Symposium on Coccidology" is being planned as a part of the "National Meetings of the Entomological Society of America" in New Orleans, Louisiana, on Sunday, 30 November, 1975. Although plans cannot be definitely formed until Jim (the organizer and moderator) has approval from the program committee, he is fairly certain that permission will be granted and urges each of you to plan to attend and participate.

6. A tentative program entitled "Recent Advances in the Study of Scale Insects" has been submitted to the Systematics Section Program Committee of the "XV International Congress of Entomology" to be held in Washington, D.C. 19-27 August, 1976. Our program has tentatively

30

been scheduled for the evening of 23 August as a special interest meeting. As it stands now, it will include five to seven invitational papers each of which will be about 30 minutes long. The committee in charge of the scale-insect program is: Doug Miller (Organizer), John Davidson (Chairman), and Michael Kosztarab (Moderator). Although we have not received final approval, it is fairly certain that we will be allowed to present our symposium, and we urge each of you to begin making plans to attend.

7. As many of you are aware, supplements to "A Selected Bibliography of the Coccoidea" and "An Annotated List of Generic Names of the Scale Insects" have been compiled by Michael and Matilda Kosztarab and Louise Russell. It is our plan to continually up date these publications with additional supplements. Obviously this is a monumental task involving endless hours in the library searching through the literature. Michael points out, however, that much of this time can be saved if authors of Coccoidea papers take the time to send 2 reprints to him for recording.

8. In the northeastern U.S. Matsucoccus resinosae Bean and Godwin has become a major pest of red pine (Pinus resinosa). In years past it has killed thousands of trees in nurseries, plantations, and backyard plantings. Although the pest is known only in the U.S., its past history indicates that it may have been introduced, although this is by no means certain. The U.S. Forest Service is anxious to investigate the possibility of control by natural enemies, but if the species is introduced, where did it come from? I am writing this note to ask for help in determining a country of origin. If Matsucoccus spp. occur in your area would you examine them to see if they are resinosae? If you are unable to identify them, please send specimens to Doug Miller.

9. At Beltsville we are attempting to compile a 35mm slide collection of the field features of scale insects. We envision this collection as a regular part of the National Collection, and the slides will be available for loan. This is a task of no small proportion, and it will not be accomplished in the near future. However, it is a project which seems to us to be of considerable importance. Therefore, if you have duplicate slides or slide which we might borrow for duplication, we would be very grateful to have them. Please send them to Doug Miller.

10. As seen in the "Recent Publications" section, two petitions to the Commission have recently been published concerning the genera Dactylopius (see DeLotto, also Miller) and Pseudococcus (see Miller). These petitions are critical to the status of the families Dactylopiidae and Pseudococcidae and deserve your attention and comment.

Current Publications

I am still dissatisfied with this area of the Newsletter. There is no doubt that it can be a useful and worthwhile section, but to depend solely on authors to send copies of their recent publications is not a satisfactory method for compilation. Therefore, beginning with this Newsletter, the "Current Publications" list will be formed in part from the author cards produced by Matilda Kosztarab for our catalogues at Beltsville. We have been fortunate to have Matilda provide us with these cards on a cooperative agreement basis and are hopeful that she will be able to bring the catalogues up-to-date. Because of obvious problems, the Kosztarabs and I encourage each of you to continue to send reprints both to Beltsville and to Blacksburg so that your contributions will not be overlooked.

Current Publications

- Almeida, D. K.
1973. Contribuicao para um conspecto dos Coccoidea de Mocambique.
Port. Acta Biol. (B)12(1/4):49-68.
- Almeida, D. M.
1973. Felixiella gen. n. e outros Diaspididae de Mocambique.
Novos Taxa Ent. No. 100:1-8.
- Almeida, D. M.
1973. Nota acerca da cochonilha Strictococcus dimorphus Newst.
"Book of Respect" to Prof. Fernando Frade Viegas da Costa
on 70th Anniversary 27 April 1968, 19-26.
- Balachowsky, A. S.
1973. Nouveau nom de genre pour un Diaspididae de Sao-Tome.
Bull. Soc. ent. Fr. 78:146-147.
- Bar-Joseph, M., and Gerson, U.
1972-73. Avocado bark pitting associated with the latania scale.
Calif. Avocado Soc. Yearbk. 1972-73:146-147.
- Ben-Dov, Y.
1973. New species of Africaspis MacGillivray from Southern Africa
and Australia. Phytophylactica 5:135-142.
- Ben-Dov, Y.
1973. A new species of Hulaspis Hall from Africa. Ent. Soc. S.
Afr. J. 36(2):257-259.
- Ben-Dov, Y.
1973. The genus Euphilippa Berlese & Silvestri with redescription
of its type-species. Portici Lab. di Ent. Agr. "Filippo
Silvestri" Bol. (1972-1973) 30:282-290.
- Ben-Dov, Y.
1974. A revision of Ischnaspis Douglas with a description of a
new allied genus. J. Ent. (B)43:19-32.
- Ben-Dov, Y., and Takagi, S.
1974. Resurrection of Natalaspis MacGillivray, with notes on the
identity and on the larvae of the type-species. Insecta
Matsumurana (n.s.) 3:43-53.
- Bielenin, I., and Neglarska, B.
1973. The salivary glands in Quadraspidotus ostreaeformis (Curt.)
Acta Biol. Gracov. Ser. Zool. 16:95-112.
- Danzig, E. M.
1974. A new peculiar species of mealybugs from the lower Amu
Darya flow. (In Russian, Eng. sum.) Zool. Zhur. 53(2):290-292.
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FINAL NOTE

Gordon Gordh has recently come to the Systematic Entomology Laboratory as the "resident chalcidologist" replacing retiring Barney Burks. Gordon has asked me to put a note in the newsletter telling of his interest in receiving Nearctic scale-insect chalcidoid parasitoids. He is (believe it or not) anxious to receive material, so let's help him out. Material should be sent to: Dr. Gordon Gordh, Systematic Entomology Laboratory, c/o U.S. National Museum, Washington, D.C. 20560.

Second List of Additions to the List of
Workers in the Coccoidea

- 6c. Tom R. Ashley, USDA, ARS, PO Box 14566, Gainesville, Florida 32604
(a) biological control, life histories, laboratory rearing, (b), (c)
Pseudaulacaspis pentagona, (d) no restrictions.
- 6d. Ronald George Baer, Dept. of Entomology, VPI-SU, Blacksburg, Virginia 24061
- 30b. John Dooley, PPQ Inspector, USDA, APHIS, JFK Int'l. Airport, Jamaica, New York 11430 (a) systematics, biological control, life histories, (b), (c), (d) not restricted - but interest in foreign economic pests.
- 31b. W. H. Ewart, Professor of Entomology, 2085 Loma Vista St., Riverside, California 92507 (a) systematics, chemical control, biological control, life histories, (b) general, (c), (d) emphasis on southwestern US and Mexico.
- 32b. M. Imre Foldi, Docteur-Ingenieur, Institut National Agronomique, Laboratoire de Zoologie et Ecologie. 16, rue Claude-Bernard, 75005 - Paris, France
(a) anatomy, histology, cytology of females and males, electron microscopy, systematics, life history, (b) Margarodidae, (Diaspididae - Aspidiotini), (c) Aonidiella aurantii Maskell, (d) no restrictions.
- 32c. Saul Frommer, Senior Museum Scientist, Dept. of Entomology, University of California, Riverside, California 92502 (a) systematics, (b), (c), (d) California.
- 44b. Dr. Ronald A. Hamlen, Assistant Professor, University of Florida, Agricultural Research Center, Apopka, Florida 32703 (a) chemical control, biological control, life histories, (b) Diaspididae, Coccidae, Pseudococcidae, (c), (d) SE U.S., especially subtropical areas (Fla., Central and South America).
- 44d. Mr. Avas B. Hamon, Graduate Research Assistant, Virginia Polytechnic Institute and State Univ., Dept. of Entomology, Blacksburg, Virginia 24061 (a) systematics, life histories, (b) Asterolecaniidae and Kermesidae, (c) Cerococcus first instars, (d) World and North America.
- 44e. Mr. Gulmahamad Hanif, University of California, Riverside Division of Biological Control, Riverside, California 92502 (a) life histories, emphasis on biological control, (b) Coccidae, Diaspididae - primary interest on latter, (c) no specific genera or species complexes, (d) internationally.
- 55c. Dr. Robert M. Kitchin, Assistant Professor, Department of Zoology and Physiology, The University of Wyoming, University Station, Box 3166, Laramie, Wyoming 82071 (a) Cytogenetics, (b) Diaspididae, (c) Parlatoria, (d).
- 55d. Mr. Virgil R. Knapp, Room 613, State Office Bldg., Indianapolis, Indiana 46204 (a) systematics, chemical control, biological control, life histories, (b), (c), (d).
- 62b. Dr. R. H. Le Pelley, Lemont Ardaine, Guernsey, C. I., via England (a) systematics, biological control, (b), (c), (d).
- 65b. Greenman T. Masina, Dept. of Entomology, University of Missouri, Columbia, Missouri 65201 (a) life history, biological and chemical control, (b) Diaspididae, Coccidae, Pseudococcidae, (c), (d) presently Central Missouri, later S. Africa.

- 66a. J. J. May, 1 N. 14th St., Rm. 254, Richmond, Virginia 23219 (Reg. inspector) (a) yes, (b) Diaspididae, Pseudococcidae, Coccidae, (c), (d) Va., Md., US.
- 75a. C. Öncuer, E. Ü. Ziraat Fakültesi, Entomoloji ve Ziraî, Zooloji Kürsüsü, Bornova, İzmir, Turkey (a) biological control, (b) Coccidae, (c) Coccus, Ceroplastes, Eulecanium, Sphaerolecanium, (d) no restrictions.
- 80a. James A. Reinert, University of Florida, Agricultural Research Center, 3205 SW 70 Avenue, Ft. Lauderdale, Florida (a) biological life histories and control and economic importance, (b) Margarodidae, Diaspididae, Coccidae, Pseudococcidae, (c) Aspidiotus destructor, Pseudaulacaspis, Coccus, Cerococcus, (d) no restrictions.
- 89b. Stephen L. Sears, Economic Entomologist, 1 North 14th St. Rm. 254, Richmond, Virginia 23219 (a) chemical and biological control, (b), (c), (d) Midwestern US.
- 92a. John B. Steinweden, Retired from California Dept. of Agriculture, 31431 Ocean View, South Laguna, California 92677 (a) systematics, biological control, (b) Coccidae, (c) Pulvinaria, Lecanium corni, (d).
- 93a. Priv. Doz. Dr. Hans Strümpel, University of Hamburg, Zoologisches Institut und Zoologisches Museum, 2 Hamburg 13, Papendamm 3, Germany (a) curator of the Rhynchota collections, (b), (c), (d).
- 104a. Ralph E. Webb, Bldg. 470, ARC-East, Beltsville, Maryland 20705 (Research Entomologist) (a) control, (b), (c) ornamentals, (d) US.
111. Thomas R. Yonke, Associate Professor of Entomology, 1-87 Agriculture, Univ. of Missouri, Columbia, Missouri 65201 (a) life histories, systematics, scale insects of Missouri, (b), (c), (d) primarily Missouri.

Notes and Corrections

- #14. Change Mr. to Dr. M. J. Berlinger
- #36a. Change Dr. Khoo See Ghee to Dr. See Ghee Khoo thus #55b.
- #61. Change of address: Paris Lambdin, Dept. of Agr. Biology, University of Tennessee, Knoxville, Tennessee 37916
- #63. Change Kozar Ferenc to Ferenc Kozar (number stays the same.)
- #97a. Dr. Magdaline Ter-Grigorian (c) delete Dactylopius cacti L.
- #101a. Change Miss Mine Tungylieck to Tuncyurek and Borvoa to Bornova.

